

## SEQUENCE LISTING

<110> Craig Rosen,  
Steve Ruben

<120> Human Cancer Associated Gene Sequences and Polypeptides

<130> PA106PCT

<140> Unassigned

<141> 2000-03-08

<150> 60/124,270

<151> 1999-03-12

<160> 1694

<170> PatentIn Ver. 2.0

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<222> (546)

<223> n equals a,t,g, or c

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3

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&lt;210&gt; 4

&lt;211&gt; 813

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (784)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (787)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (793)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (807)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4

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&lt;210&gt; 9

&lt;211&gt; 1101

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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<222> (730)

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<211> 1373

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1373)

<223> n equals a,t,g, or c

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<210> 11

<211> 3804

<212> DNA

<213> Homo sapiens

<400> 11

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&lt;210&gt; 12

&lt;211&gt; 2157

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (806)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (846)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2150)

<223> n equals a,t,g, or c

<400> 12

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&lt;210&gt; 13

&lt;211&gt; 1117

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1102)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 13

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awgcctctcc aacatcttca ancccctgac attattt 1117

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&lt;210&gt; 14



<211> 885  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (869)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (884)  
<223> n equals a,t,g, or c

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gtggccaccg atgacctgga tttccggcac cacagctaca aggacatgcg ccagctcatg 180  
aaggtggtga acgaggagtgc ccccaccatc acccgcaactt acagcctggg caagagctca 240  
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<210> 15  
<211> 1024  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (938)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1005)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1012)  
<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1019)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 15

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gccagatgct caaggaggga gcgaaacact tttcaggatt agaagaggct gtgtatagaa 180
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aat 1024

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&lt;210&gt; 16

&lt;211&gt; 545

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (403)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (476)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<400> 16

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ctcaagagat gattcaaaaa acacgytgta tytgcaaatg aacagcctga aaaccngagg 480
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ctttt 545
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<210> 17

<211> 623

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (613)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (616)

<223> n equals a,t,g, or c

<400> 17

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ccgataagta tctctatgtg gataaaaact tcatcaacaa tccgctggcc caggccgact 300
gggctgccaa gaagctggta tgggtgcctt ccgacaagag tggctttgag ccagccagcc 360
tcaaggagga rgtgggcgaa gaggccatcg tggagctggg ggagaatggg aagaagggtg 420
aggtgaacaa ggatgacatc cagaagatga acccgcccaa gttctccaag gtggaggaca 480
tggcagagct cacgtgcctc aacgaagcct cgggtgttgca caacctcaag gagcgttact 540
actcagggtc catctacgta agtggctgcc gtggcacccc gcaggctggg tctgaggggt 600
ccgaggtggg ggnngngggc ggt 623
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<210> 18

<211> 559

<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (371)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (531)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (544)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (556)  
<223> n equals a,t,g, or c

<400> 18  
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attagtaatt ttaaaatgag grtggaatt aactaacaga actgatagga agtgtaaca 180  
tacaacaggg gagtctaaga tggcttccaa ttttactta gaggggtaag ggtaccatta 240  
acttaagatc attaatacag raaaattaat cagatttggg gtttaccaag gtttgctttt 300  
ggttgttaaca atgatatatg ataaaattaa atgrataaat aagtgratgc actggtgaat 360  
taatgagctg ntctcattaa gaccagagta cttatttata acaaaaagtaa cttttccctt 420  
tccctgggta catcaaactg tactccacag ataacagaca ccagtgagtt tttcatggtt 480  
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gcgngcnacg gtattngga 559

<210> 19  
<211> 1355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>

<221> misc feature  
<222> (1045)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1355)  
<223> n equals a,t,g, or c

<400> 19  
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acaacggcac ctctgccagg gctaccacaa ccccgccag caagagcact ccattctcaa 180  
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cccagttgtc tactgggggtc tctttctttt tctgtctttt tcacatttca aacctccagt 360  
ttaattcctc tctggaagat cccagcaccg actactacca agagctgcag agagacattt 420  
ctgaaatgtt tttgcagatt tataaacaag ggggttttct gggcctctcc aatattaagt 480  
tcaggccagg atctgtgggtg gtacaattga ctctggcctt ccgagaaggt accatcaatg 540  
tccacgacgt ggagacacag ttcaatcagt ataaaacgga agcagcctct cgatataacc 600  
tgacgatctc agacgtcagc gtgagtgatg tgccatttcc tttctctgcc cagtctgggg 660  
ctgggggtgcc aggctggggc atcgcgctgc tgggtgctgt ctgtgttctg gttgcgctgg 720  
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tggaacatct tccagcccg gatacctacc atcctatgag cgagtacccc acctaccaca 840  
cccattggcg ctatgtgccc cctagcagta ccgatcgtag cccctatgag aagggttctg 900  
caggtaatgg tggcagcagc ctctcttaca caaacccagc agtggcagcc acttctgcc 960  
acttgtaggg gcacgtcgcc cgctgagctg agtggccagc cagtgccatt ccaactccact 1020  
caggttcttc agggccagag ccctngcacc ctgtttgggc tggtgagctg ggagttcagg 1080  
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gaagctcatg tgggccctga ggctcatgcc tgggaagtgt tgtggtggg gctcccagga 1200  
ggactggccc agagagccct gagatagcgg ggatcctgaa ctggactgaa taaaacgtgg 1260  
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaan 1355

<210> 20  
<211> 1280  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1043)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1162)  
<223> n equals a,t,g, or c

<400> 20  
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tcacgaccaa aggtgtcacc tcagtctctc agatcttcca cagcccagac ctggccataa 180
gggacacctt tgtgaatgcc tctcggaccc tgtacagcag cagccccaga gtcctaagca 240
acaacagtga cgccaacttg gagctcatca acacctgggt ggccaagaac accaacaaca 300
agatcagccg gctgctagac agtctgccct ccgatacccg ccttgctctc ctcaatgcta 360
tctacctgag tgccaagtgg aagacaacat ttgatcccaa gaaaaccaga atggaaccct 420
ttcacttcaa aaactcagtt ataaaagtgc ccatgatgaa tagcaagaag taccctgtgg 480
cccatttcat tgaccaaact ttgaaagcca aggtggggca gctgcagctc tcccacaatc 540
tgagtttggg gatcctggta ccccagaacc tgaaacatcg tcttgaagac atggaacagg 600
ctctcagccc ttctgttttc aaggccatca tggagaaact ggagatgtcc aagttccagc 660
ccactctcct aacactaccc cgcataaaag tgacgaccag ccaggatatg ctctcaatca 720
tggagaaatt ggaattcttc gatttttctt atgaccttaa cctgtgtggg ctgacagagg 780
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aaaaaaaaac tcaagactag                                     1280

```

&lt;210&gt; 21

&lt;211&gt; 1191

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 21

```

gcaattcctt ctggcttcct gtgacctcac gcaagaaaag gttgtgtact aaatgaatct 60
gctttaactt gctctccttc ctcggggatc acaccttttt aagaaagcct gtcccttacc 120
ttgaagcaca aacatattct catTTTTatt ctcccaatac cttgaagggt ttcttctgca 180
catgtatttg tttgatctgc cttttgtgcg tggggtggga gttaggtagg aatcttaaag 240
tggagagcca gtttcttccc aaattactga cctaaccat ccttaacccc cagttcaagg 300
ccacctttgt gatagtgaag cttccacatg ctcactcagc cccttctgct ctctcttctt 360
ctctactgtg catgtcggct tgtacttttg ccagtttctc taaagacaca accagagtgg 420
ggtggctgtg tgtgcacaac ttcaacttta catgtggggc tgagtcccta tgttgatat 480
ccttggtgca aagcacataa tgttaattgc tatagctttt aaaaaataa ttaatagttt 540
ttcataatca aattttcttg cttttttgtt ttttcaaaa agcatacttt tattgaagaa 600
taaaccctt atatatgtac acttatttat aactatgaac gcctgaacta ggatagaaat 660
gcattgtgta tattacaaaa cataacaaaa ataatagggg tagggagggt cagatgttgg 720
tcaaaggata taaacctgca gttctatgat gaataagttc tggacatctg gaatacagca 780
tggtgactat acttagtaat actatattgt acactgaag cttactgaaa gagtaaatct 840
caagtgttct caccacacaa acccaaagg aactatgttc tcaccacaca aaccacaaag 900
gaactatgta ttaattagct tgattgtggg aaccatttca caatgtatac atttgccaaa 960
acattatgtt gtatacctgg aatatataat tttatttatc aattatacct caataaagct 1020
gaaagagggg attactaatt cccacaaaat acagatttaa caaaaacttt tattcaacaa 1080
acagtgttat gaagttgtaa attggaaaca aaagaaataa aatttcatcc acagtcttct 1140
catcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaactcgtag g 1191

```

&lt;210&gt; 22

&lt;211&gt; 853

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 22

```
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acgccattcg gctcaggtat tggcactggc ttgcaatcaa gtggccttagg ttcttcaaac 120
cttggaggat ttggaactag ctctgggttt ggatgcagca ccacaggggc ctccacattt 180
ggatttgga caacaaataa accctcagga agtcttagtg caggcttttg cagctcaagt 240
acatctgggt ttaacttcag caatcctggc atcacggcat cagctgggtt gacttttggg 300
gtgtccaatc ctgcctctgc aggttttgga acaggaggac aactccttca gttgaagaaa 360
cctccagctg graacaaaag aggaaaaaga taaacatggg ttgatgtgtt gagagaatcc 420
atagcagcac cgttcattct atgagcttat ttttctaata atgcagtaat taaattgcat 480
cccaggagat ttataaagtt ttgatatttt tccctactct ggratttgaa ctttcttcat 540
gtttgccata ctgaacawct ttttcttgtt ggaatttaaa gtccagctgt gtttctttt 600
taatttgatt ctcagtgtaa gaaatgttct gattacatca ctgattggta atggttagaa 660
accattaacc taaaacttac tatttaacct agtgtttttg ttgatgaggt ttacattatg 720
tgaatacatg cacatttggt tcttatacag gtggtgtgaa ctctagggcc tatactagaa 780
tcaatttggt ccttggttaa ggccttttga attatactgc agggcatctt gtgaatatgt 840
atgtaaatat ata 853
```

&lt;210&gt; 23

&lt;211&gt; 474

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 23

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ggcacgagct cgtccggccc gtgggtctga cggcttgagt agcgctaggg agaatccctg 60
caggtaatat ttgacttttg cttcatatta atctgagtgg aaaataaaag ggccctcttc 120
tcctctcgct tccctgccgg gcaggcgcca tggcggaagc tcggcgacgg gcgcctgcgg 180
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gacgggcttc tccggcatga agggctgagg ctgcaaggtc ccgcagaggc gctgctcaaa 360
ctcctggcgg gactgamcgg gccggacktk cggcccgcgt gggccggggc ctkgtkggk 420
gccargaara agcgtcccag gaagccggcc tgccggcaag agcggggccc agcc 474
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&lt;210&gt; 24

&lt;211&gt; 2280

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 24

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ctctccccct ccnaccctc ccgtccaaag attcgccgcc gccgccggcg cagccgcagg 60
agtagccgcc gccggagccg cgcgcaccca tggccgagaa cccagcttg gagaaccacc 120
gcatcaagag cttcaagaac aaggccgcg atgtggaaac aatgcgaaga catagaaatg 180
aagtgcagt ggaactgcgg aagaacaaa gagatgaaca cttattgaaa aagagaaatg 240
ttccccaaga agaaagtcta gaagattcag atgttgatgc tgattttaaa gcacaaaatg 300
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taaaatctgg gattttacca attctagtca aatgtctaga aagggatgat aatccttcat 480
tacagtttga agctgcttgg gcattaacta acatagcatc aggracttct gcacagactc 540
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aatgattttc attggtggaa ctgacacaaa aaaagtaact taaaacaag aaacttggtt 2220
attgaataaa cagataagtt taaaaaaaaa aaaaactact tcatctacca gtaattgatg 2280

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&lt;210&gt; 25

&lt;211&gt; 1061

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 25

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cgaccgggcc cagtgcgcag ggcgggaaa gttgaactaa taaagtttgt acgagttcag 60
tgaggagagac cgcaagttga gtggaggagg cggcggtggg gcccgggacc aggtgcctcc 120
atggcaggct ctgaagagct ggggctccgg gaagacacgc tgagggtcct agctgccttc 180
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ctggtccaag agcagctgaa atctccgccc agcccagaat tacagggtcc cccatcgaca 480
gagaaggaag ccatactgcg gaggtggtg gccctgctgg aggaggaggc agaagtcatt 540
aaccagaagc tggcctcgga ccccgccctg cgcacaagct ggtccgctg tccctcgact 600
ctttcgcccc cctgggtggag ctgttctgta gccgggatga cagctctcgc ccaagccgag 660

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```

catgccccgg gcccccgcct ccttccccgg agccccctggc ccgcctggcc ctagccatgg 720
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cacctcatgt ccctgccctc ttcgtgtgct ttccaagtc ttcctattcc actcagggct 960
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<210> 26

<211> 1572

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1491)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1527)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1555)

<223> n equals a,t,g, or c

<400> 26

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gggcagctgc ggacatgtcg accccggccc ggaggaggct catgcgggat ttcaagcggg 180
tacaagagga cccacctgtg ggtgtcagtg gcgcaccatc tgaaaacaac atcatgcagt 240
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tgtttcatcc aaatgtgtat gctgatggta gcatatgttt agatatcctt cagaatcgat 420
ggagtccaac atatgatgta tcttctatct taacatcaat tcagtctctg ctggatgaac 480
cgaatcctaa cagtccagcc aatagccagg cagcacagct ttatcaggaa aacaaacgag 540
aatatgagaa aagagtttcg gccattgttg aacaaagctg gaatgattca taatagacaa 600
ctggctctgtt aatctttttc atcattgttg tgtataattt acctctcatt agaaaggcta 660
acaaatttta agtggccacag gttttaagga ttctgcagaa aaaaaagaaa aaagtccttc 720

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agtttagaac ctacaaaagc ttgtgtatct tgattaatgt actttttatt gcatgggtgtg 780
aactaagtta ttgctgcata aatttgtaat atatcctgtt tgtatttttt tccaagtgtg 840
taatgttggt gtggagtttt catgacagaa tatacacatt ttgtaaatct gtactttttt 900
caaatattga atgccttatt tttgaattct ttagattttt aaattggaga aaagcactta 960
aagtttttta tatatgaata ttacatgtaa agctgttaaa atacataact tcagtgtcaag 1020
agactttgtc acttatttcc ttatgtgtgt aggaggggtt aataagtctc tagctctcca 1080
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tagtttcaat tgagtaattc tagacataac tggtttgact ctgtccaact ctgtatttag 1260
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tcatgcccc aatttaggca atggaattag gttgcattgg gtttgaggaa ngggcacatt 1500
ggggggggga atctgggggt gttaacnttt aaattatttt gggaaaattt acccntttta 1560
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<210> 27

<211> 2005

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1976)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1977)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1978)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1979)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1986)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1988)

<223> n equals a,t,g, or c

&lt;400&gt; 27

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cgccctccgcc gcctagcgct gttcccgggt gtggcgctgc ttcttgccgc ggcccgccctc 180
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gttgggggaa atgttggtgg ggtgggggtg agttgggggt attttcta attttttgt 1920
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gggggncncc cagtcccat cgccc

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2005

&lt;210&gt; 28

&lt;211&gt; 1408

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 28

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cccgagaca ngcaattttc acctgtgagg tccctgggtg ctactacttt gsataccacg 60
ttcactgcaa ggggggcaac gtgtgggttg ctctattcaa gaacaacgag cccgtgatgt 120
acacgtacga cgagtacaaa aagggtcttc tggaccaggc atctgggagt gcagtgtctg 180
tgctcaggcc cggagaccgg tgttcctcca gatgccctca gaacaggctg caggactgta 240

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tccaaatgaa aaacataatt gcttcaaaac acttacacag ttggaaagtt atatgtaagt 420
gaaaatttgg accatttgtgt acaataaaaa actaagatgc atgtttaata ctccacacag 480
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gatcagtcaa aatatatcag tatgaaagat catagctaata gaaaggcact cactcatatt 660
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tctgtttagc atgtatgcaa actggata 1408
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<210> 29

<211> 917

<212> DNA

<213> Homo sapiens

<400> 29

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ggaccatgtg cgcgtcccgg gacgactggc gctgtgcgct ccatgcacga kttttccgcc 180
aaggacatcg acgggcacat ggtaacctg gacaagtacc ggggcttcgt gtgcatcgtc 240
accaacgtgg cctcccagtg aggaagacc gaagtaaaact acactcagct cgtcgacctg 300
cacgcccgat acgctgagtg tggtttgcg atcctggcct tcccgtgtaa ccagttcggg 360
aagcaggagc caggagtaaa cgaagagatc aaagagttcg ccgcgggcta caacgtcaaa 420
ttcgatatgt tcagcaagat ctgctgaac ggggacgacg cccaccgcgt gtggaagtgg 480
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aagttcctca tcgacaagaa cggctgcgtg gtgaagcgct acggacccat ggaggagccc 600
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ctgctggtgg ggcagaccgg aaaatccagc gtgcaccccg ccggaggaag gtcccatggc 780
ctgctgggct tggctcggcg cccccacccc tggctacctt gtgggaataa acagacaaat 840
tagcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaaa aaaaaaa 917
```

<210> 30

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

&lt;222&gt; (501)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (534)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (568)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (575)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 30

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aattcggcac gaggtcatct ggtggaaaag gagacttta gattgttttag ggctgggcgg 60
ggtgactcac atctgtaatc ccagcacttt gggaggccaa ggcaggcaga acacttgaag 120
gagttcaaga ccagcgtggc caacgtggtg aaccctgtct ctactaaaaa tacaaaaatt 180
gttttagctct gtttttcata atagaaatag aaaaggtaaa attgcttttc ttctgaaaag 240
aacaagtatt gttcatccaa gaagggtttt tgtgactgaa tcagcagtg ctagccctagt 300
catagctgtg cttcagaaac ctcagcatga ttagtgttkg agcmmaacaa ggragcaaag 360
caaatwcwgt ttttgaaatt ctatctgttg cttgaactat tttgtaataa ttaactttg 420
gatgttgaga aatcacaaact ttattggtac acttcattgc aacttgaaat tccatgggtc 480
ttaaagtgag attggaattc naatgggcgg cctttaaaaa gtaattccca accnttaagg 540
ttaaaaccca ggaaattggg gccaatcnaa aaccngg 577

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&lt;210&gt; 31

&lt;211&gt; 2059

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 31

```

tgggagtaaa aatgtgtctt cagagactgt gaacatcacc atcactcaag gtttggcagt 60
gtcaaccatc tcatcattct ttccacctgg gtaccaagtc tctttctgct tggatgatgg 120
actccttttt gcagtggaca caggactata tttctctgtg aagacaaaca ttcgaagctc 180
aacaagagac tgggaaggacc ataaatttaa atggagaaa gaccctcaag acaaagacc 240
cccatcccat gggggtaata agagcagtag cagcagcatc tctgaacatt tctctggatt 300
tgcaaccca tcatcctcag gcctctctac aagcagcagg aaacatagaa ctgagagcca 360
gatcccttat ccaactctcg acttttcctt ggtctccagt ggaagggaaa agcccatgat 420
cttcaagcag ggaagcccca gtgagtagct gcattcctag aaattgaagt ttcagrgcta 480
cacaacamt tttctgtccc aaccgttccc tcacagcaaa gcaacaatac aggctaggga 540
tgaaggagga gtgcaaaara gtgtccccac cctcctgccc cccgcaccgt ttgcccaccc 600
ttcggaagac ccagtgtgtg gatgagtatg agtgtgcctg caactgtgtc aatccacagt 660
gagctgtccc cttgggtact tggcctcaac cgccaccaat gactgtggct gtaccacaac 720
cacctgcctt cccgacaagg tgtgtgtcca ccgaagcacc atctaccctg tgggccagtt 780
ctgggaggag ggctgcgatg tgtgcacctg caccgacatg gaggatgccg tgatgggcct 840
ccgcgtggcc cagtgtctcc agaagccctg tgaggacagc tgtcggtcgg gcttcactta 900

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cccggaagaac ccctgcctca tcaatgagtg tgtccgagtg aaggaggagg tctttatata 1080
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2059

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<210> 32

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (537)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (546)

<223> n equals a,t,g, or c

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tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagtgtca 180  
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gcccgcaccg attcgccctt tcccaacagt tgcgcancgt gaatggcgaa tggggacgcg 360  
ccctgtatgg gcgcgttnaa gcgcggcggg tgtggtggtt acgcgcagtg gacccgctac 420  
acttgccagc gccctagcgc ccgctccttt cgctttcttc ccttcctttc tcgccacgtt 480  
cgccggccttt ccccttnaag ctctaaatcg gtgggctccc tttaggtgtc ctatttngtg 540  
ctttanggt 549

<210> 33  
<211> 841  
<212> DNA  
<213> Homo sapiens

<400> 33  
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gcagccccac agaccatggt catgccaggt ggttgacta caatcccaga gtcagaccta 180  
gaagaaagat cagtagaaca agactctaca gaactgttta ccaaccacag acatctcact 240  
gcagagacac ccaggcctgt ttcacccctc caaggagtct cggataaatt ccaagtagag 300  
ttgtttggtt gagaggaaca tccccatctc aaggccgaac ctgtgtgaac ctcatgccaa 360  
gcacagatat arggctggcg cagggtgctc cyaaagctya ccttcctgga gatgacatgc 420  
atagaaagag gggttgggac tttttacttc actaggagaa cttgtaacac catggggaag 480  
tcagctgaaa cttgtcttgt tttgccagga aaggaagtag ttgccttttg tcatccatct 540  
gctaatagtc acagaatata gtgaaatgac atagttttgg gttagatttt ataatgcaa 600  
gattcagatc caaaataatt tcatacccca ttttttcaca gaattcttat atagtaaatg 660  
tatcaagttt aataaagcat ctcatgttca aataatatct tggattttat ttataattag 720  
agggatttat gagtgtattg tctacattat ttcttcaaag gaaaggaaag gaattgaaga 780  
ctttgctact ctctggtaag acttgaatgt gattatttta taaataaaag aaccactatg 840  
a 841

<210> 34  
<211> 863  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 34

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accaaaaaag ctttggagnt ttccaaccnc cggtttgagg cccngttttt tagaactnag 60
tggaatcccc cgggggcttt caaggaattc ggcacgagtt tgcttagggc cagacgggga 120
agcggagcca acatgccagt ggcccggagc tgggtttgtc gcaaaactta tgtgaccccg 180
cggagaccct tcgagaaatc tcgtctcgac caagagctga agctgatcgg cgagtatggg 240
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gcccgggaac tgctgacgct tgatgagaag gacccacggc gtctgttcga aggcaacgcc 360
ctgtgcggc ggctgggtccg cattgggggt ctggatgagg gcaagatgaa gctggattac 420
atcctgggccc tgaagataga ggattttcta gagagacgcc tgcagaccga ggtcttcaag 480
ctgggcttgg ccaagtccat ccaccacgct cgcgtgctga tccgccagcg ccatacagg 540
gtccgcaagc aggtggtgaa catcccgtcc ttcattgtcc gcctggattc ccagaagcac 600
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cacctgtccc tcctgggctg ctggattgtc tcgttttcct gccaaataaa caggatcagc 780
gctttacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa ttt 863
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&lt;210&gt; 35

&lt;211&gt; 1230

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 35

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tgagggaatt cggcacgagc ccagcgcgcg cgccatgtcc tccgggggcta gcgcgagcgc 60
cctgcagcgc ttggtagagc agctcaagtt ggaggctggc gtggagagga tcaaggtctc 120
tcaggcagct gcagagcttc aacagtactg tatgcagaat gcctgcaagg atgccctgct 180
ggtgggtgtt ccagctggaa gtaacccctt ccgggagcct agatcctgtg ctttactctg 240
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ccttcaagtc tcaagaaaac acttttcctt aactttttaga gatatttcag cccttccctg 360
tggcctggtc ctatagccaa aatcacagat attcatgagt ttctacttga gtgagaaaac 420
tgggtgaagg aatagaattt taaatagtaa taactgcttg ttttttttgt gcaagtactt 480
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tgtcttgatt tttctaaatg ggaagattgc tttattttta acactaatta tgggagcaga 840
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gtatataaat gaagcagatt tgatttttgt attcttacgt ttctctgctt tgtagttgtg 960
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attaatcatt tttctatgac agcaaaaaaa

1230

<210> 36

<211> 640

<212> DNA

<213> Homo sapiens

<400> 36

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caaccctaat cgctcactat agggaaagct ggctgcctgc aggtaccggt ccggaattcc 60
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ctatccgcac tagaaagttc atgaccaacc gactacttca gaggaacaa atggtcattg 180
atgtccttca ccccggaag gcgacagtgc ctaagacaga aattcgggaa aaactagcca 240
aaatgtacaa gaccacaccg gatgtcatct ttgtatttgg attcagaact cattttggtg 300
gtggcaagac aactggcttt ggcatgattt atgattccct ggattatgca aagaaaaatg 360
aaccctaaac tagacttgca agacatggcc tgtatgagaa gaaaaagacc tcaagaaagc 420
aacgaaagga acgcaagaac agaataaga aagtcagggg gactgcaaag gccaatgttg 480
gtgctggcaa aaagccgaag gagtaaaggt gctgcaatga tgtagctgt gccactgtg 540
gatttttcgc aagaacatta ataaactaaa aacttcaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg 640
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<210> 37

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<220>

<221> misc feature  
 <222> (567)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (590)  
 <223> n equals a,t,g, or c

<400> 37  
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 gtccggcagc gccagcccta cactcgcccg cgccatggcc tctgtctccg agctcgccctg 180  
 catctactcg gccctcattc tgcacgacga tgagggtgaca gtcacggagg ataagatcaa 240  
 tgccctcatt aaagcagccg gtgtaaatgt tgagcctttt tggcctggct tgtttgcaaa 300  
 ggccctggcc aacgtcaaca ttgggagcct catctgcaat gtagggggccg gtggacctgc 360  
 tccagcagct ggtgctgcac cagcaggagg tcctgcccc tccactgctg ctgctccagc 420  
 tgaggagaag aaagtgaag caaagaaaga agaatccgag gagtctgatg atgacatggg 480  
 ctttggtctt ttgactaaa cctcttttat aacatgttca ataaaaagct gaactttaa 540  
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<210> 38  
 <211> 624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (79)  
 <223> n equals a,t,g, or c

<400> 38  
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 ttctgtgga cgccgggkaa gcacagcamc amccccgcac ctgccctcgg cctttgtgag 540  
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<210> 39  
 <211> 1029  
 <212> DNA  
 <213> Homo sapiens

<400> 39  
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<210> 40

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1098)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1106)

<223> n equals a,t,g, or c

<400> 40

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<210> 41

<211> 1051

<212> DNA

<213> Homo sapiens

<400> 41

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 tgtggctgct ggtgaaaagc ttctccgaga gtggaatcaa ctatgaaatt ataatacatg 180  
 atgatggaag cccagatgga acaagggatg ttgctgaaca gttggagaag atctatgggt 240  
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<210> 42

<211> 2192

<212> DNA

<213> Homo sapiens

<400> 42

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<210> 43

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<400> 43

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catggtggct gaaaagcggc tcatcccaga tggctgtggg gtcaagtaca tccccagtcg 180
tggccctctg gacaagtggc gggccctgca ctcatgaggg cttccaatgt gctgcccccc 240
tcttaatact caccaataaa ttctacttcc tgtccaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaa aag 353

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<210> 44

<211> 3490

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (782)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2298)

<223> n equals a,t,g, or c

<400> 44

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cctgcctccc amtargtcaa gaggaactag agtacctttg gatattatcag gacctcatg 360
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&lt;210&gt; 45

&lt;211&gt; 781

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (750)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 45

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t                                     781

```

&lt;210&gt; 46

&lt;211&gt; 1431

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 46

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```

&lt;210&gt; 47

&lt;211&gt; 1913

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1878)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1896)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



&lt;222&gt; (1905)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1907)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 47

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cctggaatct ttggatgtgt gccagttca cagattggac cctattgggt tgtggtgggg 1860
ccagggcatc caaagacntc attggactaa ttcacnttcc cccgnanagc ccc 1913
```

&lt;210&gt; 48

&lt;211&gt; 1761

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 48

```
cgaggagctc tgaggcttat gctcagctgt gcaacgtggc tcgcattgag gcagagcggg 60
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acagcatcta tggccagat ggggccccct tctacaacta cctggggccc gaggacaccg 180
```

```

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cagccggcctt cgaagggcctt caggcgagg agtgcgccat cctgaacggc tgtgagaatg 360
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```

<210> 49

<211> 956

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<400> 49

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tcggcccgcga gagcttgccc cctccccacc cgcagacatg tccgagtcca agagcggccc 180
cgagtatgct tcgtttttcg ccgtcatggg cgctcgggcc gccatggtct tcagcgcct 240
gggcgtgcc tatggcacag ccaagagcgg taccggcatt gcggccatgt ctgtcatgcg 300
gccggagcag atcatgaagt ccatcatccc agtggtcatg gctggcatca tngycatcta 360
cggcctggtg gtggcagtc tcatcgccaa ctccctgaat gacgacatca gcctctacaa 420

```

```

gagcttcctc cagctgggcg ccggcctgag cgtgggcctg agcggcctgg cagccggctt 480
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cgtgggcatg atcctgattc tcattctcgc cgagggtgctc ggccctctacg gtctcatcgt 600
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wmcgkcccgt ggccctgcgc ggagctgtgt ccaataaagt tcttgatgt gaaaaa 956

```

<210> 50

<211> 563

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<400> 50

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gccacaccgc cgctgcctca gtcattccga agcacgagtt ctctgtggac atgacctgtg 120
gaggctgtgc tgaagctgtc tctcgggtcc tcaataagct tggaggagtt aagtatgaca 180
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caaccctgaa gaaaacagga aagactgttt cctaccttgg ccttgagtag caggggcctg 300
gtccccacag cccacaggat ggaccaaagg gggcaggatg ctgatcctcc cgctggcttc 360
cagacagacc tgggacttgg cagtcatgcc gggatgatgt gttcctgcgg agaccctcag 420
ttgtcctatt ccttcctagc ttccctgcaa taaaatcaag ctgcttttgt tggaaaaaaa 480
aaaaaaaaaa gggggcgtct aaaaaccaan ttatttcnt gatgaaatcn acctctttgt 540
tccattcat ccggcctnaa aaa 563

```

<210> 51

<211> 3215

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3196)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 51

```
gcctcgggtg ggggtgggagc ggggggggaca gtgccccggg aaccgggtgg gtcacacaca 60
cgactgcgc ctgtcagtag tggacattgt aatccagtcg gcttggttctt gcagcattcc 120
cgctcccttc cctccatagc cacgctccaa accccagggg agccatggcc gggtaaagca 180
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aggaggaggt gacaaaccat ttccaacagc aacacagcca ctaaaacaca aaaaggggga 300
ttgggcgga agtgagagcc agcagcaaaa actacatttt gcaacttggt ggtgtggatc 360
tattggctga tctatgcctt tcaactagaa aattctaagt attggcaagt cacgttggtt 420
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aaaaaaaa aaaccncggg gggggggccc gaacc 3215

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<210> 52

<211> 626

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<400> 52

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accatgcctg aggggtacaat cgtgtgctgc ctggaggaga agcctggaga ccgtggcaag 120
ctggcccggg catcaggga ctatgccacc gttatctccc acaaccctga gaccaagaag 180
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taccacaaat ataaggcaaa gaggaactgc tggccacgag tacgggggtg ggccatgaat 360
cctgtggagc atccttttgg aggtggcaac caccagcaca tcggcaagcc ctccaccatc 420
cgcagagatg cccctgctgg ccgcaaagtg ggtctcattg ctgcccggcg gactggacgt 480
ctccggggaa ccaagactgt gcaggagaaa gagaactagt gctgaggggc tcaataaagt 540
ttgtgtttat gccaaaaaaa aaaaaaaaaa nnnngggggc cgctttarag rwtcctccaa 600
ggggccaact tacccttnca tgcaaa 626

```

<210> 53

<211> 920

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (617)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (725)

<223> n equals a,t,g, or c

<400> 53

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ctctgctact atgatcccaa ttcagatgct gacagtgaaa ccgtgaaggc agcaaagggtg 120
tggaactcgc cagagtcctg gtgggtgagc agcagcagtg ccasgatgcc aagagccagc 180
agaaggagca gatgttgctg ctggagaaka agagtgtctg ttactcccag gtgcttctcc 240
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caagacaggt cctgaactcc tatgaggctc ttggggagga gtttgacagg ctgggtgaaag 540
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ttttatgact gggcctcttc tggaaaatct agcaaggaga tttatataat ttttatgcat 840
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attawaaaaa aaaaaaaaaa                                     920
```

<210> 54

<211> 1090

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1034)

<223> n equals a,t,g, or c

&lt;400&gt; 54

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tctctggagt gactttttct cctcgaattg aaacaagtct atggcaaaaag aagctgcatt 120
tttttcacaa aagggaagat ggtaacaatg gtcacttcaa acttttgggc taaattatat 180
gtacacagaa atgttcaaaa tcatagtttt aatgtgtttt gaaaaggcca cacaattata 240
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actggcttga acaaaatttg ttttgtgtgt tagagttata aatcattaat ctttatttcg 360
ggtaggtttac gtttatgcca gttcctttat atttaaattt cttgttttat atattttgaa 420
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agtngtatgt attnctctta tacattagat acctatattt aaatgaaagg gccaatattg 1080
aaacatatac                                     1090

```

&lt;210&gt; 55

&lt;211&gt; 1464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (766)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 55

```

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gacgctctca gctctcggcg caccgcccag ctctcttcaa aatgtctact gttcacgaaa 120
tccttgcaaa gctcagcttg gaggtgatc actctacacc cccaagtgca tatgggtctg 180
tcaaagccta tactaacttt gatgctgagc gggatgcttt gaacattgaa acagccatca 240
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agagacagga tattgccttc gcctaccaga gaaggaccaa aaaggaactt gcatcagcac 360
tgaagtcagc cttatctggc cacctggaga cggtgatttt gggcctattg aagacacctg 420
ctcagtatga cgcttctgag ctaaaagctt ccatgaaggg gctgggaacc gacgaggact 480
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caagagaaaag tacggcaagt ccctgtacta ttatatccag caagacacta agggcgacta 1080
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```

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tccagaaatg gtgctcacca tgcttccagc taacagggtct agaaaaccag cttgcgaata 1200
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ttgcctaagc attgcctggc cttcctgtct agtctctcct gtaagccaaa gaaatgaaca 1320
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cataaacaga tgaataaaact gaatttgtagc tttaaaaaaa aaaaaaaaaa aactyrgggg 1440
ggggcccgka cccattggcc ttag                                     1464

```

<210> 56

<211> 985

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (647)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (875)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (962)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (973)

<223> n equals a,t,g, or c

<400> 56

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agaagtgtgct agtgttcaat gcagctgggg tgaaacccca ggggcaaggt ggctggcttt 60
gatctggacg ggacgctcat caccacacgc tctgggaagg tctttccac tggcccaggt 120
gactggagga tcttgtaccc agagattccc cgtaagctcc gagagctgga agccgagggc 180
tacaagctgg tgatcttcac caaccagatg agcatcgggc gcgggaagct gccagccgag 240
gagttcaagg ccaaggtgga ggctgtggtg gagaagctgg gggccccctt ccaggtgctg 300
gtggccacgc acgcaggctt gtaccggaag ccggtgacgg gcatgtggga ccatctgcag 360
gagcaggcca acgacggcac gcccatatcc atcggggaca gcatctttgt gggagacgca 420
gccggacgcc cggccaactg ggccccgggg cggaagaaga aagacttctc ctgcgccgat 480
cgctgtttg ccctcaacct tggcctgccc ttcgccacgc ctgaggagt ctttctcaag 540
tgccagcag ccggcttcga gctcccagcc ttgatccga ggactgtctc ccgctcaggg 600
cctctctgcc tccccgagtc cagggccctc ctgagcgcca cccggangtg gttgtcgag 660
tgggattccc tggggccggg aagtccacct ttctcaagaa gcacctctg tcggccggat 720
atgtccacgt gaacagggac acgctaggct cctggcagcg ctgtgtgacc acgtgtgara 780
cagccctgaa gcaagggaaa cgggtcgcca tcgacaacac aaaccagac gccgcgagcc 840
gcgccaggta cgtccartgt gcccgagccg cggngtacc cctgccgctg cttcctcttc 900
accgccactc tggagcaggc gcgccacaac aaccgggtga gcccgttca gcccgggaca 960
cnccccgggg atngcacccc ctgga                                     985

```



<210> 57  
<211> 1246  
<212> DNA  
<213> Homo sapiens

<400> 57  
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aaggccgtgg tgcagcgcgt caccgaggcc agcgtcacag ttggaggaga gcagattagt 120  
gccattggaa ggggcatatg tgtgttgctg ggtatttccc ttgaggatac gcagaaggaa 180  
ctggaacaca tgggtccgaaa gattctaacc ctgctgttat ttgaggatga gagtgggaa 240  
cactgggtcg agagtgtgat ggacaaacag tacgagattc tgtgtgtcag ccagtttacc 300  
ctccagtgtg tcctgaaggg aaacaagcct gatttccacc tagcaatgcc cacggagcag 360  
gcagaggggt tctacaacag cttcctggag cagctgcgta aaacatacag gccggagctt 420  
atcaaagatg gcaagtttgg ggctacatg caggtgcaca ttcagaatga tgggcctgtg 480  
accatagagc tggaaatcgcc agtccccggc actgctacct ctgacccaaa gcagctgtca 540  
aagctcgaaa aacagcagca gaggaaagaa aagaccagag ctaagggacc ttctgaattc 600  
aagcaaggaa agaaacactc cccgaaaaga agaccgcagt gccagcagcg gggctgaggg 660  
cgacgtgtcc tctgaacggg agccgtagct caggaggcag aattcagtgt gttatcattg 720  
ggcagaactg gatcctgaaa aattcaagat gctaagcacc tacactactt taagaatttg 780  
gaactgaaac atgaagagga agacagaaat aagaatttgg gaacctgaat agctctgcaa 840  
aaaaacacaa aggaccgttt tatcgttttc tgtgtgtgct gtggtggagt gatgcagtgg 900  
gcactkccsg tgggcccagg ggcggtgctg catgtggtag aaggtgtgct ctcgtgcctc 960  
ccccacagaa aggttttgtt ggtttctacc acatcttggc ttgcttttgg aacaggctgg 1020  
ccccagcatc atttgtcatc aagtccactg tgggtgatct tgcgtgtcca tggcgggggg 1080  
tctccaayac actcacactg tccatgttct ttttattgcc agggcccgtg ttgaagtgtc 1140  
aagagagcaa tcatcaatga taatgtattg tgtgagacct ttgcatcttg taaattttct 1200  
cttttttcta aaaataaata ataataaaat cctaaatctc aacaaa 1246

<210> 58  
<211> 1966  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1926)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1942)  
<223> n equals a,t,g, or c

<400> 58  
gggagaaaga tccttcactc acagaaccag ttattagggg gttaatgaaa ttttggccta 60  
aaacatgtag tcaaaaagag gtcattgttc ttggggactg gaagaaatat tggatgtgat 120  
tgaaccttca caatttgtta aaatccaaga acctttgttt aaacaaatcg ccaagtgtgt 180  
atctagcccc cattttcagg tggcagaaag agcactctat tattggaata atgaatacat 240  
catgagtttg atagargaaa actctaactg catccttccc atcatgtttt ccagccttta 300  
taggatttca aaagaacatt ggaatccggc tattgtggcg ttggtgtaca atgtgttgaa 360  
ggcatttatg gaaatgaaca gcaccatgtt tgacgagctg acagccacat acaagtgcaga 420

```

tcgtcagcgt gagaaaaaga aagaaaagga gcgtgaagaa ttgtggaaaa aattggagga 480
tctggagtta aagagaggtc ttagacgtga tggaataatt ccaacttaac aaaaacaatg 540
acaacaacat tactaacctg tggagtcaca cgtttatgta gtagaagatg gagcaacagt 600
tttctgtatt gtgcaacttt acagtagatt tcacctttgt ttcattatta cagcagcact 660
gtatatacct gtctcctaagt aaaggaaaaa acaaaataag gacttcaatc caaagtttgg 720
acagtagatg gacttctcag aactttgcaa acataatcat tgttctcacc ctcttttaaa 780
aaaaaaaaatc ggtcttcaaa gatctgttga tgaaattgct atgttaaaat tccattatcg 840
ggagtccctt atttatcact agcagagagt atgatacaat tttcaaatgt gaacaatctt 900
aaatttagct tgtctttctg ctaagctgtt aaatgtattt atagtaaagg aagaaaaaaa 960
gactgtcatt tccttataag tttgtgtaac atcctcctct ggataacttg actgtaattt 1020
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gtagtccctg tactccttta gttttaaaat taggagttaa gagagaagag gtgataaaca 1200
tagtagggaa gggaatatcg gattcatgca tcagtttatg gtgaatccaa atcaatgtct 1260
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tgcataatc attgaacaca cataccagag atgttttaga aatgtgagaa aaacatcctt 1380
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gggattgcaa atctaattgg gaaaagagtt gagcaaacag cttggactgt ttggagttgt 1500
tgccttactt ttaatatgt atttataaag tattccagca aaagaggatg tagcctctgg 1560
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ccagccctgt ttttagccgg aaaggattca ggataaacat tattatgcat tctgaattgg 1680
atgcatattc ctaactactg tatttggttac caaaagtgg tctacaaatg ctactgaaaa 1740
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caaaagtgca tcgtgaccaa attgtttaaa aaaaaaaac aaaaaaaca aaatctaggg 1860
ctgtatttta tatatatata tatatatata tatatatata tatatatata tatatatgct 1920
cttatnggac tctctgcttt gntattttaa taaaaaatct tacatc 1966

```

<210> 59

<211> 1611

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 59

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aaggtagagt caattatgaa gaggacagct ttggtagcca atacctcaa tatgcctgtt 120
gctgctagag aagccyctat ttatactgga atcacactgt cagagtactt ccgtgacatg 180
ggctatcatg tcagtatgat ggctgactct acctctagat gggctgaggc cttagagaaa 240
tctctggctg tttagctgaa atgcctgcag atagtggata tccagcctat cttggtgccc 300
gtctggcctc gttttatgaa cgagcaggca gggtgaaatg tcttgaaat cctgaaagag 360
aagggagtggt cagcattgta ggagcagttt ctccacctgg tgggtgatttt tctgatccag 420
ttacatctgc cactcttggg atcggtcagg tgttctgggg cttagataag aaactagctc 480
aacgtaagca tttccctct gtcaattggc tcacagcta cagcaagtat atgcgtgcct 540
tggtgaata ctatgacaaa cacttcacag agttcggtcc tctgaggacg aaagctaagg 600
aaattctgca ggaagaagaa gacctggcag aaattgtaca gcttgaggga aaggcttctt 660
tggcagaaac agataaaaatc actctggagg tagcaaaact tatcaaagat gatttcctac 720
aacaaaaatg atatactcct tatgacaggt tctgcccatt ctacaagaca gtagggatgc 780

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```

tgtccaacat gattgcattt tatgatatgg ctctagatgt gtttgaaacc actgcccaga 840
gtgacaataa aatcacatgg tccattattc gtgagcacat gggagacatc ctctataaac 900
tttcctccat gaaattcaag gatccactga aagatgggtga ggcaaagatc aaaagcgact 960
atgcacaact tcttgaagac atgcagaatg cattccgtag ccttgaagat tagaagcctt 1020
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gtgtgtgtaa gggcctccct cttcctttat ctgaagtggg gaatatagta aatatacatt 1260
ctggttacac tactgtaaac ttgtatgtag ggtgatgacc ctctttgtcc taggtgtacc 1320
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tttctattgt ggtaagctca ttggcagctt agcattttgc aaaggaattg ctttgcagga 1500
aatatttaat tttcaaaaac ataatgatta atgttccaat tatgcatcac ttccccagk 1560
ataaaycagg aatgkttgtg agaaaccatt ggaactata ctctttttta a 1611

```

<210> 60

<211> 1849

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (977)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1846)

<223> n equals a,t,g, or c

<400> 60

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agacctcagt cacctattac cggttggagg aggtggcaaa gcgcaactcc ttgaaggaaac 180
tgtggcttgt gatccatggg cgagtctacg atgtcaccgg cttcctcaac gagcaccctg 240
gaggagaaga gggtctgctg gaacaagctg gtgtagatgc aagtgaagc tttgaagatg 300
taggacactc ttctgatgcc agagaaatgc taaagcagta ctacattggg gatatccatc 360
cgagtgcact taaacctgaa agtggttagca aggacccttc aaaaaatgat acatgcaaaa 420
gttgctgggc atattggatt ttacccatca taggcgctgt tctcttaggt ttccctgtacc 480
gctactacac atcggaaagc aaatcctcct gagggaggcct tgctgaagtt agaaagtgca 540
tccacttttg ggcgaaaact agagacttgc ttgggggctg cagaagtgcc ctctcctcga 600
atcctgccag ttgcattctt ccccttggga gccaaagacga ttggccagac atcacctcag 660
atctgagacc agcgtcttcc atctctcaga gccttactcc caaagtacct gctcactgtt 720
ccgtgttgaa caattgccgg tgttctctct cttcactggg ttccatgagt acccttatat 780
ttcacaactt tctgttcata agttatagtg acattgctct ttggtaaaaa tgcctgcttt 840
ccaatacttt gattgcatat tagacattct taacaggggc gcagtcagt gttgaaagtt 900

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ctcctttttt gtttggtgat tagcaaattt ttgattctcc attttccaaa agtaagagac 1620
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aagtgaagat tcatgacaac agaccgtttt ccatttcacg tgtattttat ctccgtgact 1740
ccaactgtg gggttgttct gtttttccat gagaataaaa tactggcggg ttttttcaaa 1800
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggngnga 1849
```

<210> 61

<211> 233

<212> DNA

<213> Homo sapiens

<400> 61

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taaaaatttt ttaatcttga gaaraaacat acagktcata catataaaaa gccttgaaaa 120
tattattccc ttgactcac taattacact gctggaatat aaagaaatga tcctaaatat 180
atatgtagtt ttatggtcct aaatatgtat aaagctttat gatcactcgt gcc 233
```

<210> 62

<211> 2333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2331)

<223> n equals a,t,g, or c

<400> 62

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ttagccatat attttgaggt tgtcaatcag cataatgctc caattcytca aggagggcgt 120
ggtgcaatcc agtttggtgac tcagtatcag cattcaagtg ggagagagac catccgagtg 180
accaccattg ctaggaactg ggcagatgct caaactcaaa tccaaaacat tgctgcatct 240
tttgaccagg aggagctgct cattcttatg gcccggttag caatatatag agcagaaaca 300
gaagaaggtc cagatgtgct taggtggctg gacagacagc tcattcgact gtgtcagaaa 360
tttgagagaat atcataaaga tgacccaagt tccttcagat ttccagaaac tttctccctt 420
tatccacagt ttatgtttca tttaagaaga tcttctttcc tgcaagtttt taacaatagt 480
cctgatgaga gttcatatta tcgtcaccat tttatgcgtc aagatctgac ccagtctcta 540
attatgattc agcctatcct gtatgcgtat tcttttagtg gaccaccaga gccggttctt 600
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gagtatgaaa atttccgcca cctcttgcaa gcccagtggt atgatgcaca ggaaattcct 780
cactccagat ttccaatgcc aagatacatt gacactgaac atggaggcag ccaggcccgt 840
ttcctccttt caaaagtcaa cccttcacag actcataata atatgtatgc ctgggggcag 900
gagtcctggag cacctattct tacagatgat gttagtttac aagtgtttat ggatcacttg 960
aagaaaactg ctgtgtccag tgctgcttga agtgctaata atgttaaaga cacttaagaa 1020
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gttttccctt tgtttttcag aggtaaattt tgcattatat ccttcagtat tttaacacta 1860
ttttggcagt ttacacatta ctttttggtt ttccttcctt tttgtgaaat gtattaagtt 1920
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tgaacacaat catatgatgg taaagcagaa acttaagaaa aaattgttta tgtgttatat 2220
tcaattagct taaataagtt gctttgttat attttatttg aattgaacta cgctaggcct 2280
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aaatgccaat aaaatataact ttctactgtt aaaaaaaaaa aataaanacc nta 2333

<210> 63

<211> 1470

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1410)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1419)

<223> n equals a,t,g, or c

<400> 63

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gcttcctgct gccaccctg tggttctgca gcccagtgcc caagtacttc ttcaagatgg 60
ccttctacaa tggttgatc ctcttcctgg ctgtgctcgc catccctgtg tgtgccgtgc 120
gaggacgcaa cgtcgagaac atgamgatct tgcgtctaata gctgctccac atcaaatacc 180
tgtacgggat ccgagtggag gtgcgagggg ctaccactt ccctccctcg cagccctatg 240
ttgttgctc caaccaccag agctctctcg atctgcttg gatgatggag gtactgccag 300
gccgctgtgt gccattgcc aagcgcgagc tactgtgggc tggctctgcc gggctggcct 360
gctggctggc aggagtcac ttcacgcacc ggaagcgcac gggggatgcc atcagtgtca 420
tgtctgaggt cgccagacc ctgctcacc aggacgtgag ggtctgggtg ttctctgagg 480
gaacgagaaa ccacaatggc tccatgctgc ccttcaaacg tggcgccctc catcttgagc 540
tgcaaggcca ggttccatt gtcccatag tcatgtctc ctaccaagac ttctactgca 600
agaaggagcg tcgcttcacc tcgggacaat gtcagggtgc ggtgctgccc ccagtggcca 660
cggaagggct gacaccagat gacgtcccag ctctggctga cagagtccg cactccatgc 720
tactgtttt ccgggaaatc tccactgatg gccgggggtg tggtgactat ctgaagaagc 780
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cccacacctt cccaccagt gggccctgaa gcagggcmaa accctcttcc ttgtctcccc 900
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tgacccccac ctctactgt cttgtctgtg ggacagttgc ctccccctca tctccagtga 1080
ctcagcctac acaagggagg ggaacattcc atccccagt gagtctcttc ctatgtggtc 1140
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ccccactcca aagtccatgg attcaatgga ctcatccatt tgtgaggagg acttctcgcc 1260
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gaggtctcat gcctgccctt gccagatgn ccanggtng tgcamtytyt ggggatacca 1440
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<210> 64

<211> 939

<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<400> 64  
agnntaccgg ntccggaatt cccgggtcgg acccacgcgt ccggtctcct cagaagtcgc 60  
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cgtggaagcc gaagccgcac ctcccgcatg gcccctccgg ccagccgggc ccctcagatg 180  
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<212> DNA  
<213> Homo sapiens

<220>  
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<222> (308)  
<223> n equals a,t,g, or c

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acaagccctg aacgagcacc tcagcacgcg tagtatgtcc aggggtactc actgtccacg 180  
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<210> 66

<211> 1391

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

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<223> n equals a,t,g, or c

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<221> misc feature

<222> (20)

<223> n equals a,t,g, or c



<220>  
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<220>  
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<222> (1343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1358)  
<223> n equals a,t,g, or c

<400> 66  
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<210> 67  
<211> 659  
<212> DNA  
<213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (475)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (585)  
 <223> n equals a,t,g, or c

<400> 67  
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<210> 68  
 <211> 2981  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (2858)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2948)  
 <223> n equals a,t,g, or c

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 gaaacttact tgaagaagat tcctggattt tgtgaagggg gatttaaaat ccatgaggct 360

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&lt;210&gt; 69

&lt;211&gt; 603

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (590)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (595)  
<223> n equals a,t,g, or c

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<211> 1101  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1080)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1081)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1090)  
<223> n equals a,t,g, or c

&lt;400&gt; 70

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&lt;210&gt; 71

&lt;211&gt; 714

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 71

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&lt;210&gt; 72

&lt;211&gt; 2890

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (555)

&lt;223&gt; n equals a,t,g, or c

<220>  
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<220>  
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<211> 2488

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

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<222> (2382)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2412)

<223> n equals a,t,g, or c

<400> 73

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&lt;210&gt; 74

&lt;211&gt; 711

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (696)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 74

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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (362)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (889)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (894)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (897)  
 <223> n equals a,t,g, or c

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<210> 76

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 76

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caagtgtggg tctcactctt ctagttcctg a 271

<210> 77

<211> 673

<212> DNA

<213> Homo sapiens

<400> 77

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<210> 78

<211> 367

<212> DNA

<213> Homo sapiens

<400> 78

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ttttctc

367

&lt;210&gt; 79

&lt;211&gt; 1344

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1319)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 79

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&lt;210&gt; 80

&lt;211&gt; 3748

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 80

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aaaaaaaaaa aaaaaaaaaa aaaaaaac 3748
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<210> 81
<211> 1891
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> (1869)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (1879)
<223> n equals a,t,g, or c
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<400> 81
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aaactagaag ccagtgaact cttcaaagac aagaagggtt tatacccatc tagtggtggg 360
caaccattcc aaggggctta cctggaaatc aacaagaacc ccaagtataa gaaactcaaa 420
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```

gcagtaaaac attctgtatg atgtgcaata aaacatccaa gatctttttt gaaagtgwka 1860  
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<210> 82

<211> 1954

<212> DNA

<213> Homo sapiens

<400> 82

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 atttatgggt attttttttc gaagtattta agcatattcc ttttccacga acctcttctg 180  
 tactttgatt gtaataggtt ggctcttaca cccattccaa atgcagttta tttttagacc 240  
 cgattgcaaa tagtgatgta gttttaacca gtatggatta gttcagggat gaactgctcc 300  
 ctccagcctt actggctctg atccacaggg ttttgttttg ttttgttttg tttttgtttt 360  
 aagtcgagat ataaaaactg aacacgataa cacttactct taaatcaagc atcaacactt 420  
 tttccctgtt agaattcttt gcattttttgt gtttgtaaca gaaacgcctt aagacactat 480  
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 acaaaaggct ttttccccgc ctttggttgt taacggcatt cctgaaagcc acatgtgttt 600  
 attcattggg cttgttctta tcagcaaata ggttttctgg ttttatgact ttttgtctta 660  
 ttttatkttt cctacatttc tttttttttt tttttccytt agaatgccck ggaaatata 720  
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 tttatacttc agatattctt ttgggttttg tacctcaagg cttttttctt cttattgtaa 1260  
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 aaaatcggac tgcaaatcat tccaaggcca aactgcaact gagccaccca ctcccaaaca 1560  
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 cagggtcacc agtgaatgcc acaaaagtgc tctttccac tgtttaattt gacaagagaa 1740  
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 aacttatttg tgtgactaat tgcctagatt gtaagctctt tgagggcagg gcttgtctct 1860  
 tacacatctt tataatcccc tgcagcggct ttcagtattt tgtacttgta ggcacctaat 1920  
 aaatttatta tttgctatac tgaaaaaaaa aaaa 1954

<210> 83

<211> 936

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (930)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (936)

<223> n equals a,t,g, or c

<400> 83

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aatggattct ttgcccataa agtggagcac gaaagcagga ccagaaatgg gaggagcttc 180
cagaggaccg gaacacttgc ctttgagcgg gtctacactg ccaaccagaa ctgtgtagat 240
gcgtacccca ctttcctcgc tgtgctctgg tctgcggggc tactttgcag ccaagttcct 300
gctgcgtttg ctggactgat gtacttgttt gtgaggcaaa agtactttgt cggttaccta 360
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gttcctcatg tccgttgctg gcatattcaa ctattacctc atcttctttt tcggaagtga 480
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<210> 84

<211> 1513

<212> DNA

<213> Homo sapiens

<400> 84

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gggaaatgaa cagtttaaga aaggagatta tataagaagct gaaagttctt atagtcgagc 540
cctcgaaatg tgcccatcct gcttccaaaa ggagaggctg attctatttt caaatagagc 600
tgcaagcaag atgaaacagg acaagaaaga aatggccatc aatgactgca gcaaagcaat 660
tcaattaaac cccagctata tcagggcaat attgaggaga gcagagttgt atgagaagac 720
ggacaagcta gatgaagccc tggaagacta taaatctata ttagaaaaag atccatcaat 780
acatcaagca agagaagctt gtatgagatt acctaagcaa attgaagaac gtaatgaaag 840
actaaaagaa gagatgttag gttaaataaa agatcttggg aacttggttc tccgacctt 900

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gacttggaat tgtgtgctgc ttgctgttag ctaggggaaa ggccctgccca atgtttaact 1080  
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tcttttatga tcagggtgaa atgtacttcc tgatgtaatg aacctaatgt gatttccatt 1200  
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<210> 85

<211> 1298

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 85

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ccatggcaac cacattgaga tgcaggccat ggagagatg tacaaccgtc ctgtggaggt 480  
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<210> 86

<211> 2009

<212> DNA

<213> Homo sapiens



<220>  
<221> misc feature  
<222> (1955)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1959)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2008)  
<223> n equals a,t,g, or c

<400> 86  
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<210> 87  
<211> 534  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (466)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
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<222> (526)  
<223> n equals a,t,g, or c

<400> 87  
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<210> 88  
<211> 4302  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1015)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4274)  
<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4296)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 88

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ggcagaagaa atccagacta gtagaccaca aaccataact gaacaagact ctaacaagaa 180
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cccatcgacg cacatgggat gcagctgaac gggaatgccg tctgcagggt gccatctca 2640
caagcatcct gtctcacgaa gaacaaatgt ttgttaatcg tgtgggcat gattatcagt 2700
```

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ggataggcct caatgacaag atgtttgagc atgacttccg ttggactgat ggcagcacac 2760
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aaaaaaaaan aanaaaaaaa aaaaaaaaaa aaaaangggg gg 4302

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&lt;210&gt; 89

&lt;211&gt; 2782

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (82)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (743)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 89

```

ggaaaagcag gagaccagtt ggtgccagat aatctaaaag aaacagataa ggaaaagggc 60
aatgtggtgc tgaaaggaga antgagtgcc cggatgaaga ttccaagcaa tatgtgggta 120
gaagcctggg aaacagctaa gccaatcctt gctagaaggc aaaggagact ctttgatgat 180
acacgggaag cagaaaaggt gctgcactat ctggcaatcc agaaacctgc agaccttgct 240
cggcacctgt taccttgtgt gattcatgca gctgtactca aggtaaagga agaagaaagt 300
ctcgaataaca tttcttcagt taagaagatc ataaagcaga taatatccca ttccagtaaa 360
gttttgcact tccccaatcc agaagacaag aaattggaag aaatcattca ccagattact 420

```

```

aatgtggaag ctctcattgc cagagctcgg tcaactaaaag ccaagtttgg aactgagaaa 480
tgtgaacagg aggaggaaaa ggaagatctt gaaaggtttg tgagttgcct gctggagcag 540
cctgaagtgt tagtcaccgg tgcaggaaga ggacatgctg gcaggatcat tcacaagctg 600
tttgtgaatg cccagagggtg ccagctatga ctccaccaga ggaggaattg aagagaatgg 660
gctccccaga ggaaagaagg cagaactccg tgtcagactt cccacccctt gctggccggg 720
aattcatttt gsgcamcact gtncgcgccc tgctccctac tccaaagctc tgcctcagcg 780
gatgtacagt gttctcacca aagaggactt tagacttgca ggtgcctttt catcagatac 840
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tttagttaaa ataatcgatg gggatgtgta gccccccgt gtgaggatga catcaccaca 1860
tttctagttt catggagctc aagatgtctt gtgtctgtgt ggctagatgg cctctgcttg 1920
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tatcctacaa ataattgaat gtaatcctac attcatgtat tcattggcag tacggagtaa 2760
taaagtcagc aatgccataa aa
2782

```

&lt;210&gt; 90

&lt;211&gt; 1037

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 90

```

aattcggcac gagctgtctg cgaagtggcc cttgattaca aaaagaagaa acacacctaa 60
acactttatc tccaagttac aaaagtttga ggtgcagagg gaaggccaga tttttttttt 120
aatgaaatta tatagattag atctcagtat ttaaactggt cctcaatttt gtgaggctgt 180
gttggaata acccgctct agtgctgttg gtatgcaagg cagcgggtgct taatcaatat 240

```

```

ttcctgtgct caccagaggc aaaatgtacc aatatcctga caccattctc tctccattta 300
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ttaaacagat cgcataattat gatcttgctg cagccacagt gcagctccac attaaactcta 420
cagaccaaac catttgatc tggcatcact tactaacaca cgacatgcgg cttttctgca 480
tcaactgcta tgacggttaa gaatgtcagt atacaagaag gaatagaaaa ctgatactgt 540
tttaataaat ctgtaatttc aatttttttt tttttttgct gaaatacatt atattgtacg 600
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attggttaagt gtacaagtgg tggaactgaa gcatttactg gacaaagtaa tgttactcta 720
atggttactt gctcgtgcgt tgccacactg tgttataatt tgcttcattt ccttgctatt 780
tgatacatag tgtgcatttc tctgtcactg taactattgt aatgacaaat tttcatctta 840
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aacggggggg ggcccgg                                     1037

```

<210> 91

<211> 1052

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (962)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (965)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1044)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1048)

<223> n equals a,t,g, or c

<400> 91

```

gggcacgagt gcaggtggat gctgcactgc acccagcatc tctgcttacc aggaggtctt 60
ggagccacac cgcagnaagc acacgccctt ttgagccaga catgctgact ttctaataag 120
gatgttctct ctccacagct gaaagatgaa aattctaagc tgagaagaaa gctgaatgag 180
gttcaragct tctytraagc wcawacagaa atgggtgagga cgcttgagcg gaagttagaa 240
gcaaaaatga atcaaggagg aaagcgacta ccacgacctg gagtcggtgg ttcagcaggt 300

```

```

ggagcagaac ctggagctga tgaccaaacg ggctgtaaag gcagaaaacc acgtcgtgaa 360
actaaaacag gaaatcagtt tgctccaggc gcaggctctcc aacttccagc gagagaatga 420
agccctgcgg tgcggccagg gtgccagcct gaccgtggtg aagcagaacg ccgacgtggc 480
cctgcagaac ctccgggtgg tcatgaacag tgcacaggct tccatcaagc aactggtttc 540
cggagctgag aactgaatc ttgttgccga aatccttaa tctatagaca gaatttctga 600
agttaaagac gaggaggaag actcttgagg acccctgggt gttctcagca tgaagctccg 660
tgtataccct gaggtcacca ccgctcgatc taaatgtgca gttgtgtcct taaatatgca 720
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ttggccacca caatgggagc agccctggcc cgagtgtgtc ctgtggtttc tatgcagccc 840
ttcttggsga aattcctgcg atcttataga ttctaagtga ctcttgggaag acattgtcat 900
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tnganggggc ccaagcttac gcgtgcattc gacgtcataa cttttttccc tataaggag 1020
cgattataag cttaggcact tggnccgngg tt 1052

```

<210> 92

<211> 1234

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1115)

<223> n equals a,t,g, or c

<400> 92

```

cttcggcgca tgcgcgctga ggcctgcctg accgaccttc agcagggctg tggctaccat 60
gttctctcgc gcggtgtcgc ctgggtgtgc ggcctggacc ttgcagccgc aatggattca 120
agttcgaaat atggcaactt tgaaagatat caccaggaga ctaaagtcca tcaaaaacat 180
ccagaaaatt accaagtcta tgaaaatggt agcggcagca aaatatgcc gagctgagag 240
agagctgaaa ccagctcgaa tatatggatt gggatcttta gctctgtatg aaaaagctga 300
tatcaagggg cctgaagaca agaagaaaca cctccttatt ggtgtgtcct cagatcgagg 360
actgtgtggt gctattcatt cctccattgc taaacagatg aaaagcgagg ttgctacact 420
aacagcagct gggaaagaag ttatgcttgt tggaattggt gacaaaatca gaggcatact 480
ttataggact cattctgacc agtttctggt ggcattcaaa gaagtgggaa gaaagcccc 540
cacttttgga gatgcgtcag tcattgccct tgaattacta aattctggat atgaatttga 600
tgaaggctcc atcatcttta ataaattcag gtctgtcatc tcctataaga cagaagaaaa 660
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tccattatth gaattactga agacagcaag atatttgtaa attatcttaa aataaacaac 1080
ttaaaataaa atcattgttt ttcttatata taagnacaat agatatagtt tttgaaatga 1140
gatgatacta aaacatttaa aaatattaat atgctactat taaaattttt tagtagaaga 1200
caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1234

```

<210> 93

<211> 1571

<212> DNA

<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1497)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1516)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1530)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1546)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1571)  
<223> n equals a,t,g, or c

<400> 93  
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gctttccctg ggcccgggg ctgccasgag ggascgggar gtctgtccac ctcacaaggc 120  
aggctctgtc agcttttgtc actccctgat ttcttattct ttgttacctt ttttcgcctg 180  
actgattttt acttggcatt taagttcccc ttagcactgc cagattctaa aaggttatat 240  
tcttttttaa aaagaagaga aagaaagaag gaaagaagac aaagaaagaa taaaaacctc 300  
cgagtgttaa ctacttttcc ctttcttctt ttttttataa agaatacatt ctttcacatc 360  
ttgaatttct gtgaatttta gtttccattc tttctgcctt tgcaaaccag acacctaaat 420  
tatacgtsga agctgttaaa aagttgtttt ttttttttta atggaaaata tccaagaagc 480  
agcccaggag tatctgacat ggtggaatgg aatcagttag aaagcgaaga aatcactaaa 540  
aaaagttact tctttttttc cccaccagtt ataatcttca acctactag tttataacag 600  
tttaatgtcc tatagaagga tcctccacta aagttataat tttaagtata gtcatataga 660  
gagatcccta atcccctggg taatctagat actaaagggt gggaagaaca gtcatataga 720  
cattctttta tccaaaacca ctgtttgaaa ttagtaagga tattttcagc attcccaaaa 780  
acatgttatt agcacgttga gctgaaaacg tttttcttcc tcagttagta cagaaaccaa 840  
agcagtctgc gtgtatgtct atgtatagac tgtatcgtac ctgggctcat ggagtagtct 900  
aaatttaaaa cgctctctct tctacctcca atgaaaatgt ttccgtgtgt ggcgctctgat 960  
cttccaccgt gtgtgtggtc gtctgtggtt gtagcgctgt ttaaggagcg ctgtgtgctg 1020  
ctagtgttcc acgatgtgtg tggctgtctg ctggtgtagt agcactgttt gaggagcact 1080  
gtgcgcgct agtgtgggtt tacacttatg agtgtgtgca ttacatgtgt tctgctcttc 1140  
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tagtagttcc ctgtcacaaa gggatgcaa ggcttaccga tctgtctgtc aaaaccaaag 1260  
atgtctggga aatccctcga gaatccctgc agttgatcaa gagactggga aatgggcagt 1320  
ttggggaagt atggatgggt atgctgagac tcaattactc tcttattagc ttccccgttt 1380  
ggaagatccc aaacaccaa gatggaaggt gaaaataaag actgcgtgac cgggaagaaa 1440



```

gtttgaatta ctaatagtgg ggaataataa tttcagtttt ggttttaaac atctgggnatt 1500
cctaaaaaaa aaaaanaaaaa aaaaaaaacn cgggggggggg cccggnaccc aattcccccc 1560
aaagggggggg n 1571

```

```

<210> 94
<211> 1872
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (1271)
<223> n equals a,t,g, or c

```

```

<400> 94
gggnancccc cccgggggggg aaaacggatg ggccccgggc cccccaaaaa ntacccccga 60
gggtttttttt tttttttttt atttaataaa gttttatttt tccaaatgta cagctggttg 120
gacctattca tgcattctca ccagcagctg gagcatctcc acccttggtg tttctgggtg 180
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tttggccttg cccccggatt tgttcactgg gtctttgtct ttcttggccg actttccagc 360
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gccgcaccgc ctataactg ccggagtctg cgctagtgtg gacgcagtac tatagcgctg 660
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cagcgatggc gatttttagt gtgtatgtg tgaacaaagc tggcggtttg atttaccagt 960
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gccggccccc cctcacttct aatgagaagc ttatgtctgg ctccatgttc cactcgtctt 1260

```

```

ttgccatcgg ntcccagctg tctcctgaac aggggaagctc aggcattgag atgctggaga 1320
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cagatcctag gcaagctgga atagattctc ttctccgaaa gatttatgag atttactcag 1440
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accagaacct gaagctagct ctggagggtg cagagaaggc tggaactttt ggacctgggt 1560
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ataccatggt cttactttcc aactctgtac agatttattt atggaggagc taggtccata 1800
aatgttgtaa taaatattcc tttgatcttg gtgtttgcaa aaaaaaaaaa aaaaaaaact 1860
cgagactagc gg                                     1872

```

<210> 95

<211> 1516

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1505)

<223> n equals a,t,g, or c

<400> 95

```

ggagggcaga aagggagagt gctgggcggg cttagtcgga gattgaggac tgggaatccg 60
cttccgggag ggcactgtct agtgcacagg caacctggcc ttsgcctcct agcccagaaa 120
gccgaatctc cctaattcct gtgacctgtg tcacctctgc atcgcgagga gggggataag 180
tggggagaag tctggtgtca gatgggatgg cgccggaaga gggtgccaca gcggggacgg 240
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<210> 96

<211> 1770

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<400> 96

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<210> 97

<211> 938

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (183)

<223> n equals a,t,g, or c

<220>  
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<220>  
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 <222> (360)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (938)  
 <223> n equals a,t,g, or c

<400> 97  
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<210> 98  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (297)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (309)  
 <223> n equals a,t,g, or c

<400> 98  
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accaactctc accgctgtct ctttcgtccc cagctccagg ccatgcccgc agccggaggt 180  
gtgctctacc agccctcggg accagccagy ttccccagca ccttcagccc ygccggctcg 240  
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taccacagna t 311

<210> 99  
<211> 620  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (570)  
<223> n equals a,t,g, or c

<400> 99  
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cgtttgttca matggagaag gaagcagatg ccaaagccgc aatcgcgcag ttcaacggca 480  
aagaagtga gggcaagcgc atcaacgtgg aatctycacc aagggtcaga agaaggggcc 540  
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<210> 100  
<211> 2511  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2511)

<223> n equals a,t,g, or c

<400> 100

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<210> 101

<211> 2981

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<400> 101

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<210> 102

<211> 2804

<212> DNA

<213> Homo sapiens

<400> 102

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```

&lt;210&gt; 103

&lt;211&gt; 722

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 103

```

cgggaagagg cggacagcga ggccaagatt tcagctgcgg gacggtcagg ggagacctcc 60
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aa 722

```

&lt;210&gt; 104

&lt;211&gt; 1636

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 104

```

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```

```

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aaaaaggggg gggggg 1636

```

&lt;210&gt; 105

&lt;211&gt; 1561

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 105

```

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tccccttaaa aaagcaaagg agtctaaaa gcatgaaaag cttgagaaac cagagaagga 240
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t
t
1561

```

&lt;210&gt; 106

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 106

```

tcgacccacg cgtccgccca cgcgtccgga aagcagtgtc aagacagtaa ggattcaaac 60
catttgccaa aaatgagtct aagtgcattt actctcttcc tggcattgat tgggtgtacc 120
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cagattgacc atattgatga aaaggccttt gagaatgtaa ctgatctgca gtggctcatt 360
ctagatcaca accttctaga aaactccaag ataaaagggg gagttttctc taaattgaaa 420
caactgaaga agctgcatat aaaccacaac aacctgacag agtctgtggg cccacttccc 480
aaatct
486

```

&lt;210&gt; 107

&lt;211&gt; 800

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 107

```

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gttcgtgcag gacggcatct tgctacaaa ttgaatattt tagtacagca acattttgac 120
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tcyctggaca gaggaagatg tggttwaaac ggtccaaaaa acatwttcca acttggttgg 780
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800

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&lt;210&gt; 108

&lt;211&gt; 1058

&lt;212&gt; DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1019)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1054)

<223> n equals a,t,g, or c

<400> 108

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<210> 109

<211> 1076

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (780)

<223> n equals a,t,g, or c

<400> 109

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gaggatgcag gtctgtctgc tatcagctat gccgctgccc gttgcgctgc agaccgctt 180

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ggccaagaga ggcatcctca aacatctgga gcctgaacca gaggaagaga tcattgccga 240
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```

<210> 110

<211> 1199

<212> DNA

<213> Homo sapiens

<400> 110

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<210> 111

<211> 3630

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (3606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3608)

<223> n equals a,t,g, or c

<400> 111

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cttttaatct gagggaaaac atgttcaggg cttctagaac actaaaaaat ttggcttaaa 3420
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gttcacaggt tatcctaata gagtaattct tcactttgct ctattgaact gtcttaagga 3540
tttgtttaaa cagctaagtt acttgattaa aataatgata aaattgtaaa aaaaaaaaaa 3600
aaaaantnct gsggtccgtc aagggaattc 3630

```

<210> 112

<211> 1526

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1512)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1515)

<223> n equals a,t,g, or c

<400> 112

```

tcgaccacg cgtccgcagc aggccctgcg cgcggcaaca tggcggggtc caggtggagg 60
tcttgaggct atcagatcgg tatggcattg gcgtccgggc ccgcaaggcg ggcgctagct 120
ggctccgggc agctcggcct tgggggcttc ggggccccga gacgcggggc gtatgagtgg 180
ggcgtgcgct ccacgcggaa gtcggagcct cctcccctgg atagggtgta cgagatccct 240
ggactggagc ccatcacctt tgcggggaag atgcacttcg tgccctggct ggcgcggcg 300
atctttccgc cctgggaccg cggtacaag gaccgaagg tctaccgctc gccccctctt 360

```

```
cacgagcadc cgctgtacaa agaccaggcc tgctatatct ttcaccaccg ttgccgcctt 420
ctcgagggtg taaagcaggc cctctggctc accaagacca agttaataga aggccttccc 480
gagaaagtgc ttagccttgt tgatgatcca aggaaccaca tagagaacca agacgagtgc 540
gttctgaatg tgatctctca cgcccgctc tggcagacca ctgaggaaat cccaagaga 600
gagacctact gcccggtcat cgtggacaac ctaatacagc tgtgtaaatc tcagattctc 660
aagcatcctt ctctggccag gaggatctgt gtccaaaact ccacgttttc tgctacctgg 720
aaccgagagt ctcttctcct tcaagtccgt ggttctggtg gagcccgact gaggactaag 780
gatcctctgc ccaccatcgc ctccagagag gagattgaag ctactaagaa tcatgttcta 840
gagaccttct accccatatc acccatcatc gatcttcatg aatgcaatat ttatgatgtg 900
aaaaatgaca caggattcca ggaaggctat ccttaccctt atcccatac cctgtactta 960
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gcctgggtgg actcagacca gctcctctat cagcattttt ggtgtctccc agtgatcaaa 1260
aagagagtgg ttgtggaacc tgggtggcca gttggtttca agccagagac attcagaaa 1320
tttttagctc tatatttgca tgggtgctgc tgagcggagg acccctctga atcctgaaac 1380
ccctcttgcc tctcttccac ggaagaggcc tgggccccgt ggagcctcag tgcccgtttg 1440
gcctgctgct ctgctgaca ataaagagcc cttgcgttgc aaaaaaaaaa aaaaangggg 1500
ggccgctcaa nnggncccaa gttagt 1526
```

<210> 113

<211> 585

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<400> 113

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tcgaccacg cgtccgccca cgcgtccgcc cacgcgtccg ggagcccggt gacaggatgt 60
tgggtgttgt attaggagat ctgcacatcc cacaccggtg caacagtttg ccagctaaat 120
tcaaaaaact cctggtgcca ggaataatc agcacattct ctgcacagga aacctttgca 180
ccaaagagag ttatgactat ctcaagactc tggctggtga tgttcatatt gtgagaggag 240
acttcgatga gaatctgaat tatccagaac agaaagtgtg gactgttggg cagttcaaaa 300
ttggtctgat ccatggacat caagttattc catggggaga tatggccagc ttagccctgt 360
tgcagaggca atttgatgtg gacattctta tctygggaca cacacacaaa tttgaagcat 420
tngagcatga aaataaatc tacattaatc caggttctgc cactggggca tataatgcct 480
tggaacaaa cattattyca tcattgtgtt gatggatgc caggcttcta cagtggkcac 540
ctatgtgtaa tcagctaatt ggagatgaag tgaaagtaga acgga 585
```

<210> 114

<211> 501

<212> DNA

<213> Homo sapiens

<400> 114

```
gatgaaaaga aggtttttgc tcttcaaag cttaagtaaa ctaaaaggca gagctggaaa 60
taaagcccgt attgtggact ccaagtaatg ctctttctgc tacaccatac tttgtggtgt 120
```



```
ctgctcccat gtgcttcttc gctaaggctg atcaaaaaag ttagtaggtt gcttcagcta 180
taagaatttg atggtcttcc ttagtcatca tagtctgcag caatcatttt tgttcatcat 240
tggtgatgtc gcttactcct gttgagtaaa tgtgatctat tcacccttgg ragctccttg 300
cacaccaaca gtattcttgg atagggacaa gtgttgctta agtcagtgc gatttcttta 360
gcataataaa aggtcccatg taggatgcta atacttgagt gaaatatgct tcataagcag 420
ccttgttttg acagagttgg tgtaaagtga gggtatgtct tggcctgagc gtcttcaaag 480
catgtgccac tttgtgcac t 501
```

<210> 115

<211> 1965

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<400> 115

```
agaggcggca ctggcggcaa gagcagacgc ccgaaccgag cgagaagagc ggcagagcct 60
tatcccctga agccgggccc cgcgtcccag mcctggccca aaggcaggag cagcagacaa 120
gagtgcagtg gtggctgccg ccgcaccagc ctcatgaggc gatgacacac cccccccga 180
gcgtcggaac aagagcggta tcatcagtga gcccctcaac aagagcctgc gccgctcccg 240
cccgtctctc cactactctt cttttggcag cagtgggtgt agtggcgggt gcagcatgat 300
gggcggagag tctgctgaca aggccactgc ggtgcancc tgnccctcct gttggccaat 360
gggcatgacc tggcggcggc catggcgggt gacaaaagca accctacctc aaagcacaaa 420
agtgggtgct tggccagcct gctgagcaag gcagagcggg ccacggagct ggcagccgag 480
ggacagctga cgctgcagca gtttgcgag tccacagaga tgctgaagcg cgtgggtgca 540
gagcatctcc cgctgatgag cgaggcgggt ctggcctgct ctgacatgga ggtgtggca 600
ggtgccgaag ccctcaatgg ccagtccgac ttccctacc tgggcgcttt ccccatcaac 660
ccaggcctct tcattatgac cccggcagggt gtgttcctgg ccgagagcgc gctgcacatg 720
gcgggccttg ctgagtaccc catgcaggga gagctggcct ctgccatcag ctccggcaag 780
aagaagcggg aacgctgcgg catgtgcgag ccctgccggc ggcgcaccaa ctgcgagcag 840
tgcagcagtt gtaggaatcg aaagactggc catcagattt gcaaattcag aaaatgtgag 900
gaactcaaaa agaagccttc cgctgctctg gagaagggtg tgcttccgac gggagccgcc 960
ttccggtggt ttcagtgcag gcggcgggaa ccaaagctgc cctctccgtg caatgtcact 1020
gctcgtgtgg tctccagcaa gggattcggg cgaagacaaa cggatgcacc cgtctttaga 1080
acaaaaata ttctctcaca gatttcattc ctgtttttat atatatttt tttgttgtcg 1140
ttttaacatc tccacgtccc tagcataaaa agaaaaagaa aaaaatttaa actgcttttt 1200
cggaagaaca acaacaaaaa agaggtaaaag acgaatctat aaagtaccga gacttccttg 1260
gcaaagaatg gacaatcagt ttccttcctg tgcgatgtc gatgttgtct gtgcaggaga 1320
tgcagttttt gtgtagagaa tgtaaatctt ctgtaacctt ttgaaatcta gttactaata 1380
agcactactg taatttagca cagttaact ccacctcat ttaacttcc tttgattctt 1440
tccgacctg aaatagtgca tagttgcct ggagaatcca ctcacgttca taaagagaat 1500
gttgatggcg ccgtgtgaa gccgtctgt atccatccac gcgtgcagag ctgccagag 1560
ggagctcaca gaaggggagg gagcaccagg ccagctgagc tgcaccacaa gtcccagag 1620
```

```

tgggatcccc caccccaaca gtgatttttg aaaaaaaaaat gaaagtcttg ttcgtttatc 1680
cattgcgatac tggggagccc catctcgata ttccaatcc tggctacttt tcttagagaa 1740
aataagtcct tttttcttg ccttgctaata ggcaacagaa gaaagggctt ctttgcgtgg 1800
tccccctgctg gtgggggttg tccccagggg cccctgcgc ctgggcccc ctsccacggc 1860
cagcttcctg ctgatgaaca tgctgtttgt attgttttag gaaaccaggc tgttttgtga 1920
ataaaacgaa tgcatgtttg tgtcacgaar maaaaaaaaa aaaaaa 1965

```

<210> 116

<211> 1060

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1060)

<223> n equals a,t,g, or c

<400> 116

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gaaacacata cattggatat gggaagatgg cggtgtgtgc ggtgtatgct ccaccagttg 60
gaggtcttctc ttttgataac tgccgcagaa tgccgtcttg gaagccgatt ttgcaaagag 120
gggatacaag cttccaaagg yccggaaaac tggcacgacc atcgctgggg tggctataaa 180
ggatggcata gttcttgagg cagatacaag agcaactgaa gggatgggtg ttgctgacaa 240
gaactgttca aaaatacact tcatactctc taatatattat tggtgtgggtg ctgggacanc 300
tgagacaca gacatgacaa cccagctcat ttcttccaac ctggagctcc actccctctc 360
cactggccgt cttccagag ttgtgacagc caatcggatg ctgaagcaga tgcttttcag 420
gtatcaagggt tacattgggtg cagccctagt tttaggggga gtagatgtta ctggacctca 480
cctctacagc atctatcctc atggatcaac tgataagttg ccttatgtca ccatgggttc 540
tggctccttg gcagcaatgg ctgtatttga agataagttt aggccagaca tggaggagga 600
ggaagccaag aatctggtga gcgaagccat cgcagctggc atcttcaacg acctgggctc 660
cggaagcaac attgacctct gcgtcatcag caagaacaag ctggattttc tccgcccata 720
cacagtggcc aacaagaagg ggaccaggct tggccggtac aggtgtgaga aagggactac 780
tgagtcctc actgagaaaa tcaactctct ggagattgag gtgctggaag aaacagtcca 840
aacaatggac acttcctgaa tggcatcagt ggggtggctgg ccgcggttct ggaaggtggg 900
gagcattgag gccagtaag aactcatgt ggctagtgtt tgccgaatga aactcaactc 960
aataaaaaaac aaaaaccaaa ttgggcagct gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1060

```

<210> 117

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

&lt;400&gt; 117

```

aattcggcac gagaacatcc attctaaagg gctactgtcc caaatcctgt gtgtcctttt 60
gacttgtctg atcacccaat ggaagtggat acttgtaaag tctacaccac tgtacttggc 120
gttaaatctt gctgaattcg tggtaagctg ttaccatgtc tacattttgt agantgattt 180
tggctctgcag caaaattcga ttctacttct cataccctt tccttccact tgaaatgcaa 240
tttagacaga ggccctgtgg tgaaagttgc aatattaagt ttmcctttag aagatcccyt 300
cctcaaacct cagaaccctt agcagtgtta ccctwaaaca aaaatgagct cgagaaaaaa 360
gtagctcagt tacagagaag caaatcgagt tttttcccca cataaaaagt tccccagat 420
tctaagaatt gcagtatcct gtaccctaaa atttttcaag gtgactcctg ttgtcgtctg 480
ttgataactt taataaaggc catttaagga cataagtttt taaagactcc caaagtgaag 540
cttaaacatt ttcgggatta tcgattgcat atatcagttt atgctgtgtg ctgaattact 600
atgccatgtg ctatttttagt gtttggggaa aatgaaaaat aaaatttgtt cttagctta 660
ataaatatgt cttattttta aaaaaaaaaa aaaaaactcg agactagct 709

```

&lt;210&gt; 118

&lt;211&gt; 2053

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (813)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2049)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 118

```

ctccttggcg cctgtcccca cggccccgc agcgtgacca cgatgctccc catacccac 60
ccattccga tacaccttac ttactgtgtg ttggcccagc cagagtgagg aaggagtgtg 120
gccacattgg agatggcggg actgagcaga catgccccca cgagtagcct gactccctgg 180
tgtgtcctcg gaaggaagat cttggggacc cccccaccgg agcacacca rggatcatct 240
ttgcccgtct cctggggacc cccaagaaa tgtggagtcc tcgggggccc tgactgatg 300
cggggagtgt gggaagtctg gcggttggar ggggtgggtg ggggcagtgg gggctggcg 360
gggggagttc tggggtagga agtgggtccc ggagattttg gatggaaaag tcaggaggat 420
tgacagcaga cttgcagaat tacatagaga aattaggaac ccccaaattt catgtcaatt 480
gatctattcc ccctctttgt ttcttggggc atttttcctt tttttttttt ttttgttttt 540
tttttaccct tccttagctt tatgcgtca gaaaccaaatt taaaccccc ccccatgtaa 600
caggggggca gtgacaaaag caagaacgca cgaagccagc ctggagacca ccacgtcctg 660
ccccccgcca tttatcgccc tgattggatt ttgtttttca tctgtcccctg ttgcttgggt 720
tgagttgagg gtggagcctc ctggggggca ctggccactg agcccccttg gagaagtcag 780
aggggagtgg agaaggccac tgtccggcct ggnntctggg gacagtggct ggtccccaga 840
agtctgagg gcggaggggg ggggtgggca ggggtctctc aggtgtcagg aggggtgctc 900
gagccacag gagggggctc ctggctggcc tgaggctggc cggaggggaa ggggctagca 960
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ggaacctcc cctctccctc ggtgacatct tgcccgcctc tcagaccct gccttgtctc 1080
caggagggtc gaagctctgt gggacctctt gggggcaagg tggggtagag ccggggagta 1140
gggagggtcag gcgggtctga gccacagag caggagagct gccaggctc cccatcgacc 1200

```

```

agggtgcttg ggccccggag cccacgggtc tggatgatgcc atagcagcca ccaccgccc 1260
gcctagggct gcggcaggga ctccgctctt gggagggtta cctcgcccc acttggtccc 1320
ccagctcagc cccctgcac gcagcccgac tagcagtcta gaggcctgag gcttctgggt 1380
cctggtgacg gggctggcat gacccgggg gtcgtccatg ccagtcggcc tcagtcgag 1440
agggtccctc ggcaagcgcc ctgtgagtgg gccattcgga acattggaca gaagccaaa 1500
gagccaaatt gtcacaattg tgaaccac attggcctga gatccaaac gcttcgaggc 1560
accccaaatt acctgccc atcgtcaggac acccaccac ccagtgttat attctgcctc 1620
gccggagtgg gtgttcccgg gggcacttgc cgaccagccc cttgcgtccc caggtttgca 1680
gcttccccct ggccactaa ccatcctggc cgggctgccc tgtctgacct ccgtgcctag 1740
tcgtggctct ccatcttgtc tcctccccgt gtccccaatg tcttcagtgg ggggccccct 1800
cttgggtccc ctctctgccc atcacctgaa gaccccccacg ccaaacactg aatgtcacct 1860
gtgcctgccc cctcggtcca cttgcggccc gtgtttgact caactcagct cctttaacgc 1920
taatatttcc ggcaaaatcc catgcttggg tttgtcttt aacctgtaa cgcttgcaat 1980
cccaataaag cattaataag catraaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2040
ggggggggnc cgg                                     2053

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&lt;210&gt; 119

&lt;211&gt; 1824

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 119

```

agttcctagc aagctgttca caagattgcc tgataagaat atggaagctg tatataaagt 60
caacatcttt agaaactcag gatgacgata acataagact gaaggaaaat acttttacca 120
tagaaaatga aaagtgttaa aatagcattt gctgttactc tggagacagt gctagccggt 180
catgaaaact gggtaaatgc agttcactgg caacctgtgt ttacaaaaga tgggtgccta 240
cagcagccag tgagattatt atctgcttcc atggataaaa ccatgattct ctgggctcca 300
gatgaagagt caggagtgtt gctagaacag gttcgagtag gtgaagtagg tgggaatact 360
ttgggatttt atgattgcca gttcaatgaa gatggctcca tgatcattgc tcatgcttcc 420
cacggagcgt tgcacctttg gaaacagaat acagttaacc caagagagtg gactccagag 480
attgtcattt caggacactt tgatggtgtc caagacctag tctgggatcc agaaggagaa 540
tttattatca ctgttgggtac tgatcagaca actagacttt ttgctccatg gaagagaaaa 600
gaccaatcac aggtgacttg gcatgaaatt gcaaggcctc agatacatgg gtatgacctg 660
aaatgttttg caatgattaa tcgggttcag tttgtatctg gagcagatga aaaagtctct 720
cgggtttttt ctgcacctcg gaattttgtg gaaaattttt gtgccattac aggacaatca 780
ctgaatcatg tgctctgtaa tcaagatagt gatcttccag aaggagccac tgtccctgca 840
ttgggattat caaataaagc tgtctttcag ggagatatag cttctcagcc ttctgatgaa 900
gaggagctgt taactagtac tgggtttgag tatcagcagg tggcctttca gccctccata 960
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cttgccctcag cttgtaaggc agctaagaaa gagcatgcag ctatcattct ttggaacact 1140
acatcttgga aacaggtgca gaatttagtt ttccacagtt tgacagtcac gcagatggcc 1200
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gctgtgacag ctgtcagcgt ctgcccagtg ctccaccctt ctcaacgata cgtggttgca 1560
gtagatttgg agtgtggaaa gatttgctta tatacctgga aaaagactga tcaagttcca 1620
gaaataaatg actggaccca ctgtgtagaa acaagtcaaa gccaaagtca tacactggct 1680
atcagaaaat tatgctggaa gaattgcagt ggaaaaactg aacagaagga agcagaaggt 1740

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gctgagtggt tacactttgc aagctgtggt gaagatcaca ctgtgaagat acacagagtc 1800  
aataaatgtg cactgtaatg gaaa 1824

<210> 120  
<211> 606  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (598)  
<223> n equals a,t,g, or c

<400> 120  
aggaagctgg gggaccattt tgcaccatga gtttgtgaaa aatctggatt aaaaaattac 60  
tcttccagtg ttttctcatg cmaaatttyc tyctarcatg tgataatgag taaactaaaa 120  
ctatttycag cttttcctca attnacattt tggtngtata cttcagagtg atgttatcta 180  
agtttaagta gtttaagtat gttaaagtgt gatcttttac accacatcac agtgaacaca 240  
ctggggagat gtgctttttt ggaaaactca aagggtgctag ctccctgatt caaagaaata 300  
tttctcatgt ttgttcattc tagtttatat ttctatttaa aatcccttag gttaagttaa 360  
agctttttta aagtttagtta aaagaattga gacacaatac taatactgta ggaattgggtg 420  
aggccttgac ttaaaacttt ctttgtactg tgatttcctt ttgggtgtat ttgctaagt 480  
gaaacttggt aaattttttg ttaactaaat ttttttctta aaataaagac tttttcacia 540  
wraaaaaaaa aaaaaaaaaa actcgagggg gggcccgtac ccaatgcct gtgatgtntc 600  
gtatac 606

<210> 121  
<211> 838  
<212> DNA  
<213> Homo sapiens

<400> 121  
gaatcccggg tcgaccacag cgtccgggaa agatcggcgc gcaccgcagg agcaacgggt 60  
ggtcctgcgg ctgtgatgtc ggtgttgagg cccctggaca agctgcccgg cctgaacacg 120  
gccaccatct tgetggtggg cacggaggat gctcttctgc agcagctggc ggactcgatg 180  
ctcaaagagg actgcgcctc cgagctgaag gtccacttgg caaagtccct ccctttgccc 240  
tccagtgtga atcgccccg aattgacctg atcgtgtttg tggtaatct tcacagcaaa 300  
tacagyctcc agaacacaga ggagtccctg cgccatgtgg atgccagctt cttcttgggg 360  
aargtgtgtt tcctcgccac aggtgtgtgm rggcttttagg gccaccatgg cgcarcgcct 420  
ggtgcgcgtg ctgcgatct gtgctggcca cgtgccgggt gtctcagctc tgaacctgct 480  
gtccctgctg agaagctctg agggcccctc cctggaggac ctgtgagggt ggctkgcccc 540

tgggctgccc cttctcatgg cttcgtgctg actccataaa cattctctgt tgaggatgtc 600  
cagtcagggc ttgacaggcc caggctcagc cccccgtggc tgggaagggt cctgcagtg 660  
ccagtgtctg agcagggaga gctgggcaga agcagcgagg gggcccagct ggcgagactg 720  
tagccccctc ccactcccac actcactctt gcagagcctg tgtctttaag cagctggcgt 780  
gttacatctc catttaaggt ttcctttgaa caaaagggtc gtggctaaaa aaagttaa 838

<210> 122  
<211> 656  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<400> 122  
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gcgtcctggc cgcagcggcg cgtgcctgg tccgggggtgc ggaccgaatg agcaagtggg 180  
cgagcaagcg gggcccgcgc agcttcaggg gccgcaangg ccggggcgcc aaggggcatcg 240  
gcttcctcac ctccgggctgg aggttcgtgc agatcaagga gatgggtccc gagttcgtcg 300  
tcccggatct gaccggcttc aagctcaagc cctacgtgag ctacctcgcc cctgagagcg 360  
aggagacgcc cctgacggcc gcgcagctct tcagcgaagc cgtggcgccct gccatcgaaa 420  
aggacttcaa ggacgggtacc ttcgaccctg acaacctgga aaagtacggc ttcgagccca 480  
cacaggaggg aaagctcttc cagctctacc ccaggaactt cctgcgctag ctgggcgggg 540  
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggg gggcgagcgc gtgggc 656

<210> 123  
<211> 1386  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1283)  
<223> n equals a,t,g, or c

<400> 123  
aaccgggnaa aaggaaaccg tgttgtgtac gtaagattca ggaaacgaaa ccaggagccg 60

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ataccygtat grattaagcy gtnaaggcct gtagctctgg ttgtatactt ttgcytttcm 1320
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cattgg 1386
```

<210> 124

<211> 845

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (823)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (825)

<223> n equals a,t,g, or c

<400> 124

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catcgtggtg gagtactgtg aacctgcggg cttcgaggcg acctacctgg agctggccag 180
tgctgtgaag gagcagtatc cgggcatcga gatcgagtcg gcctcgggg gcacaggtgc 240
ctttgagata gagataaatg gacagctggt gttctccaag ctggagaatg ggggctttcc 300
ctatgagaaa gatctcattg aggccatccg aagagccagt aatggagaaa ccctagaaaa 360
gatcaccaac agccgtcctc cctgcgtcat cctgtgactg cacaggactc tgggttcctg 420
ctctgttctg gggtcctaac cttggtctcc ctttgggtcct gctgggagct cccctgcct 480
ctttccctta cttagctcct tagcaaaag agcctggcct ccactttgcc ctttgggtac 540
aaagaaggaa tagaagattc cgtggccttg ggggcaggag agagacactc tccatgaaca 600
cttctccagc cacctcatat ccccttccca gggtaagtgc ccacgaaagc ccagtccact 660
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```
cttcgcctcg gtaatacctg tctgatgcc aagattttat ttattctccc ctaaccagg 720
gcaatgtcag ctattggcag taaagtggcg ctacaaacac taaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa atntnggggg ggggcccccc 840
cccccc 845
```

&lt;210&gt; 125

&lt;211&gt; 1656

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 125

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ctcaccgccc ggactctcca ctgttcaact cgagatgcag ctctccactc cagctcaatc 120
tgctgcagct ggaggagctc ccccgctgctg agggggctgc tggtgcagga ggccctggga 180
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ctctgccgat ggcatttgtg tttttgatat ttgtgtctgt tactactttt ttaatacaaa 1620
aagataaaaa cgcccaaaaa aaaaaaaaaa aaaacc 1656
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&lt;210&gt; 126

&lt;211&gt; 837

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 126

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aatttaactc catatgtgtt cctctgttgc taatcttgtc aaccagtgc aagtaccgac 120
aaaattccag ttatttattt ccaaaatggt tggaaacagt ataattgac aaagaaaaat 180
gatacttctc ttttttggct gttccaccaa atacaattca aatgcttttt gttttatttt 240
tttaccattt ccaatttcaa aatgtctcaa tgggtgctata ataaataaac ttcaacactc 300
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gccctcccta ttttaactac ctcaactggg cagaaacaca gattgtattc tatgagtccc 480  
agaagatgaa aaaaatttta tacgttgata aaacttataa atttcattga ttaatctcct 540  
ggaagattgg tttaaaaaga aaagtgtaat gcaagaattt aaagaaatat ttttaaagcc 600  
acaattatit taatattgga tatcaactgc ttgtaaagggt gctcctcttt tttcttgtca 660  
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gtactttcac ttttaaactc tagatcagaa ttgttgactt gcattcagaa cataaatgca 780  
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<210> 127

<211> 1217

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1169)

<223> n equals a,t,g, or c

<400> 127

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ttccgcagtt cgaagcccag ttgggcccag caggtggagg aggaggggga ggacgacaaa 180  
tgtgtcacca gcgagctcct caaggggac cctctggcca caggtgacac cagcccagag 240  
ccagagctac tgccggggagc tccactgccg cctcccaagg aggtcatcaa cggaaacata 300  
aagacagtga cagagtacaa gatagatgag gatggcaaga agttcaagat tgtccgcacc 360  
ttcaggattg agaccgggaa ggcttcaaag gctgtcgcaa ggaggaagaa ctggaagaag 420  
ttcgggaact cagagtttga ccccccgga cccaatgtgg ccaccaccac tgtcagtgc 480  
gatgtctcta tgacgttcat caccagcaaa gaggacctga actgccagga ggaggaggac 540  
cctatgaaca aactcaaggg ccagaagatc gtgtcctgcc gcactctgca gggcgaccac 600  
tggaccaccc gctgccccta caaggatacg ctggggccca tgcagaagga gctggccgag 660  
cagctggggc tgttactagg cgagaaggag aagctgccgg gagagctaga gccggtgcag 720  
gccacgcaga acaagacagg gaagtatgtg ccgcccagcc tgcgcgacgg ggccagccgc 780  
cgcggggagt ccatgcagcc caaccgcaga gccgacgaca acgccaccat ccgtgtcacc 840  
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atcagcttcc accgcccga ggatgctgag cgtgccattg ccggggtgtc cggctttggc 1020  
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cactgtgtac tcggtccggg acccttggcg acagaagaca gcctccgaga gcgcgggctc 1140  
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<210> 128

<211> 1349

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1133)

<223> n equals a,t,g, or c

<400> 128

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gaggagatgc tgaaggacga ggtgcgcacc ctcaactacc gcaactccat gtttcataac 240
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa                                     1349

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<210> 129

<211> 2318

<212> DNA

<213> Homo sapiens

<400> 129

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gcacggctcc gggtagccat ggaggacccc acgctctata ttgtcgagcg gccgcttccc 180
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ctggaggagc ggcaggcgga gatggagggc gcagtgcaga gcatccagg cgagctgagc 420
aagctgggca aggcgcacgc accacgagca atacggtgag caagctgctg gagaagggtg 480

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gcaaggctcag cgtcaacgtg aagaccgtgc gcggcagcct ggagcgccag gcggggcaga 540
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<210> 130

<211> 2149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (819)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1518)

<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2147)  
<223> n equals a,t,g, or c

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gccaggccaa attgagacat gtctgacaca agcgagagtg gtgcaggctc aactcgtctt 180  
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<210> 131  
<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1019)

<223> n equals a,t,g, or c

<400> 131

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cagacccgaa gcgcaccatt gctcaggatt atggggctct aaaggctgat gaaggcatct 480
cgttcagggg cctttttatc attgatgata aggggtattct tcggcagatc actgtaaatg 540
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ctgacaaaca tggggaagtg tgcccagctg gctggaaacc tggcagtgat accatcaagc 660
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<210> 132

<211> 2319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2246)

<223> n equals a,t,g, or c

<400> 132

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ttgggaccgg cggctgatgc aggatgacaa ccggggccta ggccaagggc tcaaggacaa 180
```

```

caagagaacc tgcaaccggt tccgcctcct gctagagcgg cgaaccrtgg gcagtgaggt 240
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gaacgccccg gcgctcgctc tgctgtgagc caggatgcag ctcccaggcc ctgggtctgcg 360
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gctccaggct gaggaggaca ccctaccctc ggcggagacc gcactcatct tacaccgcaa 480
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gagatgaaac tttggaattg acagtnctaa agtgattgg gagagtgaat gtgtgagaac 2280
actaagacca ctctgaacga tgataatgag tttgggggt 2319

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&lt;210&gt; 133

&lt;211&gt; 1373

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (403)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 133

```

cgcgaccgga agtccgtcac tctcgcgagg cccagagag caggcgtctg gcagtgtgga 60
ggtcgttgga gtcacttccg cgtcaccagc tctgtgcct gccagtcggg gcccctccc 120
ctccagccat gctctccgccc ctcgcccggc ctgccagcgc tgctctccgc cgcagcttca 180

```

```

gcacctcggc ccagaacaat gctaaagtag ctgtgctagg ggcctctgga ggcacatcggc 240
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tcgcgcacac acccgagtg gcccagatc tgagccacat cgagaccaa ggcgctgtga 360
aaggctacct cggacctgaa cagctgcctg actgcctgaa agnttgatg gtggtagtta 420
ttccggctgg agtccccaga aagccaggca tgacccggga cgacctgttc aacaccaatg 480
ccacgattgt ggccaccctg accgctgcct gtgccagca ctgccggaa gccatgatct 540
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atggagtgt caaccccaac aaaatcttcg gcgtgacgac cctggacatc gtcagagcca 660
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gtggccatgc tgggaagacc atcatcccc tgatctctca gtgcacccc aagggtgact 780
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ttttattttt caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1373

```

&lt;210&gt; 134

&lt;211&gt; 1657

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 134

```

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gtaaaacaga ccatacagtaa catttcagga tttaatgaaa cctgcttgag atggagaagc 180
atcaagacag ctgatatgga ggagatgtat ttattccaca tttggggcca gagatggtat 240
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gtgtgcttgg acctacgtcc gggtagcaac tacaatgtca gtctccgggc tctgtcttcg 360
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gaatttttta cgggtgcacag aggacctcta ccacgcctca gactgaggaa agccaaggag 480
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ttttcttggt attctgaagg cgcttcctcc ttcttttagca acgcctctga tgcgtatgga 600
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acaatatgca gtgagatggg cttaagtttg ggctagagt tgactttatg aaggaggtca 1380
ttgaaaaaga gaacagtgc gtaggcaaat gtttcaagca ctttagaaac agtacttttc 1440

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```

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tgctgtgtct gttaggcagc attgctttga tgcaatttct attgtcctat atattcaaaa 1560
gtaatgtcta cattccagta aaaatatccc gtaattaaaa aaaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggcggccc 1657

```

<210> 135

<211> 2360

<212> DNA

<213> Homo sapiens .

<220>

<221> misc feature

<222> (1517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2353)

<223> n equals a,t,g, or c

<400> 135

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attgacaaaa gcaatggtga tggagaagcc tagtccccctg ctggtcgggc gggaaattgt 180
gagacagtat tacacactgc tgaaccaggc cccagacatg ctgcatagat tttatggaaa 240
gaactcttct tatgtccatg ggggattgga ttcaaattgga aagccagcag atgcagtcta 300
cggacagaaa gaaatccaca ggaaagtgat gtcacaaaac ttcaccaact gccacaccaa 360
gattcgccat gttgatgctc atgccacgct aaatgatggt gtggtagtcc aggtgatggg 420
gcttctctct aacaacaacc aggctttgag gagattcatg caaacgtttg tccttgctcc 480
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agctgccagg gaaggcgacc gacgagataa tcgccttcgg ggacctggag gccctcgagg 1440
tgggctgggt ggtggaatga gaggcctcc ccgtggaggc atggtgcaga aaccaggatt 1500

```



```

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acccagctct gttataaact gcttaagttt gtataatttt actttttttg tgtgttaatg 1680
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cttgcttact ttgcatatac agactggatt tttttttttt ttacagcca tttcccaaaa 1860
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maaaaggcca aaaattcccc aaaaccccg gtaaccacca grgscaaacn gttgtggcct 2340
tcccaattaa cnttgggatt                                     2360

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&lt;210&gt; 136

&lt;211&gt; 1042

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 136

```

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gatggctgca gcggcgggcg gggccgggag cgggccctgg gcggcccagg agaagcagtt 120
cccgccggcg ctgctgagtt tcttcatcta caaccgcgc ttcggggcgc gcgaaggaca 180
ggaggaaaat aagattttat tttatcatcc aaatgaggtg gaaaagaatg agaagattag 240
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```

&lt;210&gt; 137

&lt;211&gt; 1037

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 137

```

ggcaccggga gcggcggggt ggtctacgct gtgcgcggcg gacgtcggag gcagcgggga 60
gcggagcggg gccgccgggg cctctccagg gccgcagcgg cagcagttgg gcccccgcc 120
ccggccggcg gaccgaagaa cgcagggaagg gggccggggg gaccgcgcc cggccggccg 180
cagccatgaa ctccaacgtg gagaacctac cccgcacat catccgcctg gtgtacaagg 240

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aggtagacgac actgaccgca gaccaccccg atggcatcaa ggtctttccc aacgaggagg 300
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tggtccgcat gaaactcctg ctggggaagg acttccctgc ctccccaccc aagggtact 420
tcctgaccaa gatcttcac ccgaacgtgg gcgccaatgg cgagatctgc gtcaacgtgc 480
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<210> 138

<211> 1490

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1239)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1452)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1487)

<223> n equals a,t,g, or c

<400> 138

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ctggcattga ttgggtgttac cagtggccag tactatgatt atgattttcc cctatcaatt 180
tatgggcaat catcaccaaa ctgtgcacca gaatgtaact gccctgaaag ctaccaagt 240
gccatgtact gtgatgagct gaaattgaaa agtgtaccaa tgggtgcctcc tggaatcaag 300

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|||

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agagttttct ctaaattgaa acaactgaag aagctgcata taaaccacaa caacctgaca 480
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tttatttgta aatttagtgt ttttttantt ctacgtcaaa gatgtgcaaa accttttacg 1380
gttgaggaa acagccagtt ttaaaatcct taaacttaag ttcctcaagc tggataaaac 1440
ataggagtac cnctgcacaa tatctgaaca tcaatgtcgg taaaatnggg 1490
```

&lt;210&gt; 139

&lt;211&gt; 1684

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (201)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1657)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1659)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1682)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 139

```
tcgacccacg cgtccggccg gctgagccac agcagggtcg ccgcggggtc ccggggccgt 60
gctcccctgc ccctccggga gcgcgcgggg cngggcgggg cggggcggga ccaggcgggc 120
gagctggggc ctcgccccct cctcggggcg tcacctgggc acgggcgctg cagggtgctg 180
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ggccgcccc tgacgtccgg agacgaacgc acggaccggg cctccggagc argttcgggt 300
ggaargaamc gctctcgstt cgtcctacac ttgcgcaa atgtctccgagc ttactcacat 360
agcatattgg tatatcaaaa tgaatgcaa ggaacaaaa ataacataat tgaaggcagt 420
aaaagtga aaatagga agatcatcag tcaaggaa cccactggag aggacagaaa 480
atgaagcagt gttttatcat gtgtatttca gcaggctctt ttgaaattta actaaaaata 540
tgactgctct ctcttcagag aactgctctt ttcagtacca gttacgtcaa acaaaccagc 600
ccctagatgt taactatctg ctattcttga tcatacttg gaaaaatta taaatatcc 660
ttacactagg aatgagaaga aaaaacacct gtcaaaattt tatggaatat ttttgcat 720
cactagcatt cgttgatctt ttacttttgg taaacatttc cattatattg tatttcagg 780
atcttgactt tttaagcatt aggttcacta aataccacat ctgcctattt actcaaatta 840
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gcctgaattt ctctaaaaca accaagcttt catttaagt tcaaaaatta ttttatttct 960
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taaaagacat tggattacct ttggatccat ttgtcaactg gaagtgtgc ttcattccac 1500
ttacaattcc taatcttgag caaattgaaa agcctatatc aataatgatt tgktaatt 1560
attaattaaa agttacagct gtcataagat cataatttta tgaacagaaa gaactcagga 1620
catattaaaa aataaactgr actaaaacaa aaaaaancna aaaaaaaaaa aaaaggcg 1680
cnac 1684
```

&lt;210&gt; 140

&lt;211&gt; 427

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (395)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (417)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 140

```
ggacttcctc ccagcacatt cctgcactct gccgtgtcca cactgcccc cagaccag 60
cctccaagcc tgctgccagc tccctgcaag cccctcaggt tgggccttgc cacggtgcc 120
gcaggcagcc ctgggctggg ggtaggggac tccctacagg cacgcagccc tgagacct 180
gagggccacc ccttgagggt ggccaggccc ccagtggcca acctgagtg tgcctctgcc 240
```

accagccctg ctggccctg gttccgctgg cccccagat gcctggctga gacacgccat 300  
ggcccttcag ctggccca cytyttcccg gscctggaa kttggcaytg cagcagacag 360  
ytccytgggc accagrcagy taacaggaca cagcngccag cccaaacagc agcgggnatg 420  
ggggcag 427

<210> 141  
<211> 889  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (698)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (889)  
<223> n equals a,t,g, or c

<400> 141  
ggcacgaggt tgacgtcctg tagcatttgc tgttctagaa agtacagaga cacgtagaan 60  
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ccgttgggga aggattgaat acagagacgc tgtctgcttg ctgccttaag acagctagct 180  
gaattgctga ttaactttta aaatacccag cttggtttat ttttcttaga atctgttgct 240  
aagactgggg acgctgtttt cttttacaaa gggaaatcta agttaatttc aaggcattcg 300  
aaatggggaa agactattat tgcatttttg gaattgagaa aggagcttca gatgaagata 360  
ttaaaaaggc ttaccgaaaa caagccctca aatttcattc ggacaagaac aaatctcctc 420  
aggcagagga aaaattttaa gaggtcgcag aagcttatga agtattgagt gtcctaaaa 480  
agagagaaat atatgrtcag tttggggagg aagggttgaa aggaggagca ggaggtactg 540  
atggacaagg aggtaccttc cggtagacct ttcatggcga tcctcatgct acatttgctg 600  
catttttcgg aggtccaac ccctttgaaa ttttcttttg aagacgaatg ggtggtggta 660  
gagattctga agaaatggaa atagrtggtg atccttnag tgcctttggt ttcagcatga 720  
atggatatcc aagagacagg aattctgtgg ggccatccc cctcaaaca gatcctccag 780  
ttattcatga acttagagta tcactgaag agatatatag tggttgtacc aaacgggatg 840  
aaagatttct cgaaaaagg taaaacgctg atggtaggag ttacagttn 889

<210> 142  
<211> 1505  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1493)  
<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1499)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1500)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 142

```
agtgagggaa gcgatgggcy cgggaatggc cggccacggt gtcgcaggag acgggacgcc 60
agctttttggc tccgttccgc tggctccttc gtcagtactg acacctcggg cttgtagagc 120
acttcacgca gcaaaagcgc cccccgtcta tatcatatcg cctctcggtc ctcctaaaag 180
tcgtatgaga tggagctgga ggaggggaag gcaggcagcg gactccgcca atattatctg 240
tccaagattg aagaactcca gctgattgtg aatgataaga gccaaaacct ccggaggctg 300
caggcacaga ggaacgaact aaatgctaaa gtgcgcctat tgcgggagga gctacagctg 360
ctgcaggagc agggctccta tgtgggggaa gtagtcgggg ccatggataa gaagaaagtg 420
ttggtcaagg tacatcctga aggtaaatgt gttgtagacg tggacaaaaa cattgacatc 480
aatgatgtga caccgaattg ccgggtggct ctaaggaatg acagctacac tctgcacaag 540
atcctgcca acaaggtaga cccattagtg tcatgatga tgggtggaga agtaccagat 600
tcaacttatg agatgattgg tggactggac aaacagatca aggagatcaa agaagtgatc 660
gagctgcctg ttaagcatcc tgagctcttc gaagcactgg gcattgctca gcccaaggga 720
gtgctgctgt atggacctcc aggcactggg aagacactgt tggcccgggc tgtggctcat 780
catacggact gtacctttat tcgtgtctct ggctctgaat tggtagagaa attcataggg 840
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atcttcatgg acgaaatcga ctccatcggc tcctcgcggc tggagggggg ttctggaggg 960
gacagtgaag tgacgcgcac gatgctggag ttgctcaacc agctygacgg ctttgaggcc 1020
accaagaaca tcaagggtat catggctact aataggattg atatcctgga ctccgactg 1080
cttcgcccag ggcgcattga cagaaaaatt gaattccac ccccaatga ggaggcccg 1140
ctggacattt tgaagattca ttctcggaag atgaacctga cccgggggat caacctgaga 1200
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gcagtagcca aggtcatgca gaaggacagt gagaaaaaca tgtccatcaa gaaattatgg 1380
aagtgagtgg acagcctttg tgtgtatctc tccaataaag ctctgtgggc caagtcaaaa 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aangggggnn 1500
cccccc
```

1505

&lt;210&gt; 143

&lt;211&gt; 1235

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 143

```
cgagcgggtgg gtagcggcgg cggcgctggc accccggccc cggcggggccc cggcggacgg 60
cgggcaaaagg tcccaggaa gttggcgtcag catctgcagc cgcgtcgacg ttgtcggagc 120
ctccgcggag gaccaggag agccggacta ggaccagggc cctgggcctc cccacactcc 180
ccatggagaa gctggcggcc tctacagagc cccaagggcc tcggccggtc ctgggcccgtg 240
agagtgtcca ggtgcccgat gaccaagact ttgcagcgtt ccggtcagag tgtgaggctg 300
aggtgggctg gaacctgacc tatagcaggg ctgggggtgtc tgtctgggtg caggctgtgg 360
```

```

agatggatcg gacgctgcac aagatcaagt gccggatgga gtgctgtgat gtgccagccg 420
agacactcta cgacgtccta cagcatttg agtaccgcaa gaaatgggac agcaacgtca 480
ttgagacttt tgacatcgcc cgcttgacag tcaacgctga cgtgggctat tactcctgga 540
ggtgtcccaa gccctgaag aaccgtgatg tcatcaccct ccgctcctgg ctccccatgg 600
gcgctgatta catcattatg aactactcag tcaaacatcc caaatacca cctcggaag 660
acttggtccg agctgtgtcc atccagacgg gctacctcat ccagagcaca gggccaaga 720
gctgcgtcat cacctacctg gccaggtgg accccaaagg ctcttacct aagtgggtgg 780
tgaataaatc ttctcagttc ctggctccca aggccatgaa gaagatgtac aaggcgtgcc 840
tcaagtacct cgagtggaaa cagaagcacc tgctcactt caagccgtgg ctgcaccgg 900
agcagagccc gttgccgagc ctggcgtgt cgagctgtc ggtgcagcat gcggactcac 960
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gagacaggac cggcgagcc ctggggcggc ggccgctcct gcactttctc ccctcccca 1140
cccgccacct ggtggcaccg ggccaggccc aggcgggtgc tgcagcctgg ctggacagag 1200
ccccataaa cgatccaca gcctcaaaaa aaaa 1235

```

<210> 144

<211> 1420

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1410)

<223> n equals a,t,g, or c

<400> 144

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gcaagaacgg agctgactga ggaaccaact ggagggtctt cactctctcc ttccccagtg 60
tacaaaacca gttttctgca acattcagga gccaaatgag gaaaaagaat caagaatctg 120
actcacagcc catctgatct gttcaaagct gtcttttcca cctgctgaaa ttcattaaat 180
cactggaggc atgcataatg aatggagaat gagtgaactt ccaatgcaac ttggattcac 240
aaaccattta tcatagccaa tatgcagatt ttaaacagca tttcacattt catttgacca 300
tgtcttcttt ttgcgcatgc ctgctgcaga attccctact agaattgtgaa acaacgaaca 360
aaccacagaa cttagagtgt gctggttagt cacataactt agtagcagga ttgtgtatcc 420
aggcacaagg gtgtctttgc taatgttctc ttgctacctg ccctgcttca aacgctaaat 480
ggtatgggtc tttctttgtt gccagccata ttctacaaat aagacttttc aatatagtta 540

```

```

tgagtaatat aattttatgt acatataatg ttagaatatt gtacagaatc ttggtttcta 600
cgatgcgctt ttcttgtttc aaaaagagga aaatgcttga tttttgttga tgatactttt 660
gttactgtcc ttaattttcc atagtttggt ttcttaattg tgctcactaa gcatcgatct 720
gtgctgatgc caagctatgg actatgtacg caagaccgag caatagacag aggtgcctag 780
ggtccaaaca cactgaacgc acgtggaccg cctggwtcag gagcctcatc agacccttct 840
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cttctgtgca gactttaaga gctgaacgtt ctggttctgg aagccatgtg actgcgcaga 960
acaacctaaag aaaccctttg tgtcctgagg ggtcgttgac ctctccttcc gggtcggagc 1020
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aagaaaagaaa ccaagtggta cataagccca gcttttctgc tgggctaagt gtaagtgtga 1140
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gctatctccc tgtgtactgt ttctcttaaa tggagcagat agaaatctgc agtgttggca 1260
gataggtgga tgggagaggg atggataatt ttatcttctg ggccacagag ctggcagccc 1320
cagtttgtcc agagtctttt aaatggaac ccccaaatcc atcccttctt ttccctaacc 1380
cccanngggga tattcntagn attaagggcn cgggataagt 1420

```

<210> 145

<211> 1919

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1882)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1898)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1919)

<223> n equals a,t,g, or c

<400> 145

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gcccacgcgt cggcgcgctc gtccgcccgg cttgaggccc gcggggagcg cggcgcaatt 60
cgtcggcccg cgggggggcg gcctcccggc atcttcgcgg cgaccaagga ctaccaggaa 120
ggggagcggc tgggatggcg cgtccgggcc ccgskagtac aaagcgggag acctggtctt 180
cgccaagatg aagggtacc cgactggcc ggcccggatt gatgaactcc cagaggcgct 240
gtgaagcctt cagcaaaaca gtatcctatc ttcttttttg gcacccatga aactgcattt 300
ctaggtccca aagacctttt tccatataag gagtacaaag acaagtttg aaagtcaaac 360
aaacggaaaag gatttaacga aggattgtgg gaaatagaaa ataaccagg agtaaagttt 420
actggctacc aggcaattca gcaacagagc tcttcagaaa ctgagggaga aggtggaaat 480
actgcagatg caagcagtga ggaagaaggt gatagagtag aagaagatgg aaaaggcaaa 540
agaaagaatg aaaaagcagg ctcaaaacgg aaaaagtc atacttcaa gaaatcctct 600
aaacagtccc ggaatcttcc aggagatgaa gatgacaaag actgcaaaga agaggaaaac 660
aaaagcagct ctgaggggtg agatgcgggc aacgacacaa gaaacacaa ttcagacttg 720
cagaaaacca gtgaaggag ctaactacca taatgaatgc tgcatattaa gagaaaccac 780
aagaaggtta tatgtttggt tgtctaatat tcttgattt gatatgaacc aacacatagt 840

```



```

ccttggtgtc attgacagaa cccagtttg tatgtacatt attcatattc ctctctgttg 900
tgtttcgggg ggaaaagaca ttttagcctt ttttaaaagt tactgattta atttcatgtt 960
atgttggtgc atgaagttgc ccttaaccac taaggattat caagattttt gcgcagactt 1020
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caccatcatc aaacactcag ttaaataataa attaacattt tttagatgac cactcaacat 1140
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tctttttgtg ttactccaaa ataaaggcaa tgatttatatt ttttcccagt gccaatataa 1440
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tgtattgttt ttacagaata aatttattgg aatgtgwact ggggagtaag atttgagggt 1860
gtaagcaaac taagttagtg tnaattggcc tccaatangt aacgtggagg cattaatgn 1919

```

<210> 146

<211> 1379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (925)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1377)

<223> n equals a,t,g, or c

<400> 146

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gcccacgcgt ccgcccacgc gtccgcccac gcgtccgccc acgcgtccgg taagtttaga 60
tgactgggtca atatcttaaa aatgtatatt agtaagaagt tcttcctgga atttttcttt 120
cgattctggc agaataaaca ggtgttttta gttttccac tgtctgagcc aagcaggacc 180
ctgtcccaga gcaagagatg tccccttcca tctctgaccc ttgcctggga caagctttga 240
tgggggggccc cagcttcaag gctgtgggtg gaacagcacc cccaaatgcc agcctctcct 300
ttcttcccat ccaccagtat actgcggggc catttctggt ctttgtccaa caggaaaccc 360
atttctggtg ggatattgct tccagtgcc aagggccact caccctatgc atctctgtcc 420
tgcccgctcag tgctgggacg gacagcaagg gcaagcccag tgtctggcrg ataggtgggt 480
gggaacagag aggggagaat gccgtcctaa gcttctgctt ggggatcccc cacacgacct 540
gggtactgcc tgggaaacct gtcctaagta aaactatgga cctcgctcg cccaccggcc 600
tgcraagcca gcattctccgt gaaggtggat ggaagcgctt ttgtcctcay tttgagctgc 660

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```

aagctgggtc agcggctctg aagccctcga gtgactttct aaccaagac ccagcccctg 720
gcaggaggag ggtgggtgca gggctgggtg gacaaaaaga ggcctcagca ggcctggaag 780
acccttccag tacatccac agcgtgtcga gcagctggga gaacctgtgt caagctcgag 840
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tgacgttctg gagcatggac gtgantcytc aagctggctc cgcgtgggcc cttggagggt 960
gccagggtgtg tggtagacct ctggatgcct ttaacttcat ggctgcgtca ttcttgattt 1020
agaactttaa ccggagcttc atctagtgtg tgcaaaactg gaccaatggg aggacggcgc 1080
gcagcccgtc ccctccgtgg aatggagctc agctcttcgg aggcatacaa gcacctgtcg 1140
cctccgtggt cccctgccc agggagtgcg gcctctgcaa ggttcggggg tggcttcgtt 1200
tgctggagt ggccggccct gcttgtgcca tgtggatgtt tgtgagcctc ggctctacag 1260
cactgtgtag gctgcatctg ttctgtgtg gtctgttga cttgtatgat atccacaaat 1320
aaatattttc atggcaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg nccccnaa 1379

```

<210> 147

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 147

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ttnggaaact gatcacttat caaggcttta tatattcttt acggatttag acatcaccat 60
accaagaagc ttactccatc tattccggtc tttgtaggac aggccttcatt tttagccca 120
tgttctgtaa gccacacagt atgcctgcag aagctgctta tcggagccaa atataattgt 180
cagtacaatt taaagaccac tatgtgtccc cggagaccaa cctgtttatt tccctgaaag 240
accgcaacac cccacacaac atgtttcaga catttggaac ttgttagata agacacttgt 300
aggagaaaga gatttcttaa attaatgtagc ttatatcccc ctagagaagg ccatacaaat 360
ctgcggaacgc gtggcgggac gcgtgggggg accgtgggtc gaacgnaccc ancgccncg 420
gacgcgtggg cggacgcgtg ggcggacgcg tggcgggacg cgtgggcgga cgcgtgggcg 480
gacgcgtggg cggacgcgtg ggcggacgcg tggg

```

514

<210> 148

<211> 2058

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 148

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gtgcgcccgc gcgccccggg agcctaccca gcacgcgctc cgccccactg gttccctcca 60
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2058

&lt;210&gt; 149

&lt;211&gt; 1781

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 149

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<210> 150

<211> 1709

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1678)

<223> n equals a,t,g, or c

<400> 150

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<210> 151

<211> 922

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (906)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (915)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (922)

<223> n equals a,t,g, or c

<400> 151

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cacctcgggg acattattgc gcgtggaacg gctgcttttg gaagactatt gccagaaga 180
aaagatgttt ggttttcaca agccaaagat gtaccgaagt atagagggct gctgtatttg 240

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cagagctaag tcctccagtt ctcgattcac tgacagtaaa cgctatgaaa aggacttcca 300
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<210> 152

<211> 635

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (594)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (614)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (616)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (628)

<223> n equals a,t,g, or c

<400> 152

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accctggaag tagcaggccg catgcttgga ggtaaagtcc atggttcctt ggcccgtgct 360
ggaaaagtga gaggtcagac tcctaagggtg gccaaacagg agaagaagaa gaagaagaca 420

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ggtcgggcta agcggcggat gcagtacaac cggcgctttg tcaacgttgt gcccaccttt 480
ggcaagaaga agggcccca tgccaactct taagtctttt gtaattctgg ctttctctaa 540
taaaaaagcc acttagttca aaaaaaaaaa aaaaaamtcg gggggggccc gkancccaat 600
ttscctata gggngncgtt taaattcntt ggcgg 635

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&lt;210&gt; 153

&lt;211&gt; 2328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 153

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<210> 154  
<211> 1268  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<400> 154  
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aaaaaaaaa 1268

<210> 155  
<211> 4299  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2813)  
<223> n equals a,t,g, or c

<400> 155  
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gccatggccg acaagggaagc agccttcgac gacgcagtgg aagaacgagt gatcaacgag 180  
gaatacaaaa tatggaaaaa gaacaccct tttctttatg atttggtgat gacctatgct 240  
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&lt;210&gt; 156

&lt;211&gt; 1006

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 156

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&lt;210&gt; 157

&lt;211&gt; 1686

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 157

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<211> 4147

<212> DNA

<213> Homo sapiens

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<222> (13)

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<220>

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<222> (292)

<223> n equals a,t,g, or c

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<222> (4146)

<223> n equals a,t,g, or c

<400> 158

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&lt;210&gt; 159

&lt;211&gt; 1242

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1235)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1236)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 159

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<213> Homo sapiens

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<210> 161

<211> 1920

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1755)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1766)  
<223> n equals a,t,g, or c

<220>  
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<222> (1832)  
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<220>  
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<222> (1841)  
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<220>  
<221> misc feature  
<222> (1915)  
<223> n equals a,t,g, or c

<400> 161  
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<210> 162

<211> 2619

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2546)

<223> n equals a,t,g, or c

<400> 162

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cgaaaaagg tgataaccg aatccggatt ctcatgaga atggagtagc tgagcggcaa 240
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ggaacactga acataaagca ggacgacccc tttgaactct tcatagcagc cacaaacatt 480
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<210> 163

<211> 1419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (624)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (697)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1187)

<223> n equals a,t,g, or c

<400> 163

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ggtgattagc ggtggcgcca gccntaggct acccttgcca aggccgcca cctgcacag 660
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<210> 164

<211> 3810

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2523)

<223> n equals a,t,g, or c

<400> 164

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gagagaggnc ttctgctgg agatgttcta gagccagtac aaaagcctca tgaaggctct 240
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gtcattaatc gctcaccaag acacatgata gaagaaattg ttctagtaga tgatgccagt 540
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&lt;210&gt; 165

&lt;211&gt; 817

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 165

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<210> 166

<211> 1578

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g,.or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<400> 166

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cataccagat aatagctgca ttactgccaa ctgaccttat aacctctgc accttcaaaa 1500  
agattcatgg tttttaattg ctgcttttaa taacatttgt taaagttaaa aaaaaaaaaa 1560  
aaatcttcgg gggggggg 1578

<210> 167

<211> 1694

<212> DNA

<213> Homo sapiens

<400> 167

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<211> 1636

<212> DNA

<213> Homo sapiens

<400> 168

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&lt;210&gt; 169

&lt;211&gt; 667

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 169

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&lt;211&gt; 3598

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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<220>  
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<220>  
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<211> 940

<212> DNA

<213> Homo sapiens

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<222> (12)

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<222> (919)

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<212> DNA  
<213> Homo sapiens

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<211> 2709

<212> DNA

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&lt;210&gt; 174

&lt;211&gt; 1013

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 174

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<210> 175

<211> 1697

<212> DNA

<213> Homo sapiens

<400> 175

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aaaaaaaaaa aaaaaaa 1697

<210> 176

<211> 1409

<212> DNA

<213> Homo sapiens

<400> 176

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<213> Homo sapiens

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atttgaata	aggttttagg	caatttttgc	gttggtctctg	atttgatat	agcaaattta	600
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<210> 178  
<211> 1378  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<400> 178  
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gtatattttg gaatgctrta cttggcataa catagattaa aatcataatg catgactaaa 300  
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<210> 179  
<211> 2251  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2020)  
<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2050)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 179

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&lt;210&gt; 180

&lt;211&gt; 1000

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;



<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<400> 180  
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aaaaaaaaaa aaaaaaaaaa maaaaaaggg gggggccccc 1000

<210> 181  
<211> 1429  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (761)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1407)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1420)  
<223> n equals a,t,g, or c

<400> 181  
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aggggcccga gcgtctgcag ggtgacgcct garacagcac cactgctgag gagtgaggac 240  
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acctgcgctt ctgctggagg aggggaagct ggcccaaaag gccmgsgrag gcagcgtggg 360  
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<210> 182

<211> 2725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2713)

<223> n equals a,t,g, or c

<400> 182

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aaatagaact tgattgttga gacgccttgc tagaggtaga gtttgatcat agaattgtgc 2460
tggtcataca tttgtggtct gactccttgg ggtcctttcc ccggagtacc tattgtagat 2520
aacactatgg gtggggcact cctttcttgc actattccac agggatacct taattctttg 2580
tttcctcttt acctgttcaa aattccattt acttgatcat tctcagtatc cactgtctat 2640
gtacaataaa ggatgtttat aagcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2700
aaaaaaaaaa aaaaaaaaaa aaaag                                     2725

```

<210> 183

<211> 1751

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1617)

<223> n equals a,t,g, or c

<400> 183

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gggggcggca ggttgcggcg gcgccggagc gggctctccag gctggcgagc gccaggaca 60
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gtggtctgtg gggctcaga gcagaccacc tgccaggaag tggatcatcg actagcccaa 180
gcaataggcc agactggccg ctttgtgctt gtgcagcggc ttcgggagaa ggagcggcag 240
ttgctgccac aagagtgtcc agtgggcgcc caggccacct gcggacagtt tgccagcgat 300

```

```

gtccagtttg tcctgaggcg cacagggccc agcctagctg ggangccctc ctcagacagc 360
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ctgggctgtg agccccgcaa aacactgacc cccgagccag cccccagcct ctcacgccct 480
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cgggagaggt ccttactgt gtgtacacag caagagcatg tgtgtgccac ttcccctacc 1680
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aaaaaaaaaa a                                     1751

```

<210> 184

<211> 2200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2096)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2181)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2184)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 184

```
ggcacgagca gcgacatact gaagggcaac ttctcaatcc gtacagccaa gatgcagcag 60
catgtgtgtg aaaccatcat ccgcattctt aaaagacatg gagctgttca gttgtgtact 120
ccactactgc ttccccgaaa cagacaaata tatgagcaca acgaagctgc cctattcatg 180
gaccacagcg ggatgctggt gatgcttcct tttagacctg ggatcccttt tgcaagatat 240
gtggcaagaa ataatatatt gaatttaaaa cgatactgca tagaacgtgt gttcaggccg 300
cgcaagttag atcgatttca tcccaaagaa cttctggagt gtgcatttga tattgtcact 360
tctaccacca acagctttct gccactgct gaaattatct acactatcta tgaaatcatc 420
caagagtttc cagcacttca ggaaagaaat tacagtattt atttgaacca taccatgtta 480
ttgaaagcaa tactcttaca ctgtgggata ccagaagata aactcagtca agtctacatt 540
attctgtatg atgctgtgac agagaagctg acgaggagag aagtggaaagc taaattttgt 600
aatctgtctt tgtcttctaa tagtctgtgt cgactctaca agtttattga acagaaggga 660
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cagttggtga agtatggctt aaaagacctt gaggagggtt ttggactgtt gaagaaactc 780
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cagatgtcta tgtccagggc catcaacctt acccagaaac tctggacagc aggcattaca 1140
gcagaaatca tgtacgactg gtcacagctc caagaggaat tacaagagta ctgcagacat 1200
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aatcttgtag tgcaaaatct gaagggtgca ttttctaatt cttcagggtt gtttgaatc 1440
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catcagaaaa gcagtgaat tgaaattctg gctgtggatc taccaaaaga aacaatatta 1620
cagtttttat cattagagt ggatgctgat gaacaggcat ttaacacaac tgtgaagcag 1680
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tactggaata atggaatgtt gtacattcat cataatttaa aattaaatc taagaagagg 1920
ctgggtgcag tggctcacac ctttaatccc agcactttgg gaagccaagg cagggaagact 1980
gcttgaaacc aggagtgtga gaccagcctg agcaacaaag caagacccca tctctataaa 2040
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```

&lt;210&gt; 185

&lt;211&gt; 1987

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 185

```
aactgtggcg cktcttggtg aagatggacg tccacgatct ctttcgcgcg ctcggcgcg 60
gggccaaatt cgacacgaga cgcttctcgg cagacgcagc tcgattccag ataggaaaaa 120
ggaaatatga ctttgattct tcggaggtgc ttcagggact ggactttttt ggaaacaaga 180
agtctgtccc aggtgtgtgt ggagcatcac aaacacatca gaagcccaa aatggagaga 240
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tgacttcaga aattgcttcc caagaagaag gtgctactat acagtggatg tcatctgtag 360
aagcaaagat tgaagacaaa aaagttcaga gagaaagtaa actaacttcc ggaaagttgg 420
agaatctcag aaaagaaaag ataaacttct tgcggaataa acacaaaatt cacgtccaag 480
gaaccgatct tcctgaccca attgctacat ttcagcaact tgnaccagga atataaaatc 540
aattctcgac tacttcagaa cattctagat gcaggtttcc aaatgcctac gccaatccaa 600
atgcaagcca tcccagttat gctgcatggt cgggaacttc tggcttctgc tccaactgga 660
tctggaaaaa cattagcttt tagcattcct attttaatgc agctgaaaca acccgcaaat 720
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gagttaataa aaatttctga gggaacagga ttcagaatac acatgatcca caaagcagca 840
gtggcagcca agaaatttgg acctaaatca tctaaaaagt ttgatattct tgtgactact 900
ccaaatcgac taatctatct attaaagcaa gatcccccg gaatcgacct agcaagtgtt 960
gagtggcttg tagtagacga atcagataaa ctgtttgaag atggcaaaac tgggttcaga 1020
gaccagctgg cttccatttt cctggcctgc acatcccaca aggtccgaag agctatgttc 1080
agtgcactt ttgcatatga tgttgaaacag tgggtcaaac tcaacctgga caatgtcatc 1140
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tcagtggaa atatccacag gataggtcga actggaagag cagggaataa gggaaaagca 1560
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ttcttagaaa aagctaagga taaacagaaa aaggtcactg gtcagaacag caagaagaaa 1800
gtagctcttg aagacaaaag ttaaaaacag actttaaaaa tactgtccca gaaatgtaat 1860
tttatgatcc cagcatgaat gttattttca tggaaactt gaagtcttac agtcacctgt 1920
accaaacatt tgaatcaac tacaagtaca tgggactggg gataaatgat cctaaactat 1980
caagtca
```

&lt;210&gt; 186

&lt;211&gt; 1737

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 186

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tgatcctggg taaaatggat gatttttcat tgaaagtttt gctgattaac aattaaagtg 120
ggatgatatg tgggcaaaat cacttatgaa agtagaagca agaatacagt ggtttgctac 180
cacataaagc catgctgttt ttggtcaaac tgtgtaaact ggaaaaatc acatcatttc 240
tgagtttaat cactttagga tatattcaca ttgttttggg gaatttgctg aattgaattg 300
tttttctttc tcaaatctgt gatctctttt ctttatcctg tttctttggt ctttcctgtt 360
```

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gctttcttat ttttcttttg ttccattctt ttcttacttt tttccctttt ctttttttgg 420
ggaggctggc tagtagtggt tgagaaaaga atagaagtga aatttgcata atgaatgtaa 480
aagggaaata aaagcttttt gaaggtagct atactagcac ttttgatcat cttcaggggc 540
cacaaaaatg ttgtcaagat tttaaagggt tataattctg ctttaagctct agtttggtact 600
taggtatcct aactatgttg gaggtatttg cattgtttta agttaggata aaagcaagtt 660
cctcctgtga ctgcaacgtc ttactgattg ggacagttgc caggaggata ccaacttgat 720
agcagagggg gttttatgca aacgcactca cctccgcctt ggggaatgaa agggtcactt 780
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gtaattcaca gtctcagaa gcctattttt aaagcagaag caaaaaagaa aaacaaaata 1140
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cacaatttaa aacaacatat atatttaaaa taaatatata cagtaaatat attgagccat 1320
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tcaagtttgt ctccgcact aagatgtgag gaaattgtga tttgttctct ccaccacaaa 1560
tgaattacac atttattatc ttctatcatt ttgaaacact gcagtttacc atgggacact 1620
gtatatattt cttgccataa tggtaaagga ctgattgata tatttaagag ttaataaatt 1680
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<210> 187

<211> 1132

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1132)

<223> n equals a,t,g, or c

<400> 187

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agatccctgga gtcccagagg ccccctgcag gcatccctgt agcccatcc agtggctgag 180
gaggctccag gcctgaggac caagggatgg cccgactcgg cggtttgagg aggatgcagg 240
gatatgctca cagcgcccga cacaaccccc tccgcgcgcc cccaaccacc cagggccacc 300
atcagacaac tccctgcatg caaaccccta gtaccctctc acaccgcac ccgcgcctca 360
cgatccctca cccagagcac acggccgagg agatgacgtc acgcaagcaa cggcgctgac 420
gtcacatatc accgtggtga tggcgtcacg tggccatgta gacgtcacga agagatatag 480
cgatggcgtc gtgcagatgc agcacgtcgc acacagacat ggggaacttg gcatgacgtc 540
acaccgagat gcagcaacga cgtcacgggc catgtcgacg tcacacatat taatgtcaca 600
cagacgcggc gatggcatca cacagacggt gatgatgtca cacacagaca cagtgaacaac 660
```

```

acacaccatg acaacgacac ctatagatat ggcaccaaca tcacatgcac gcatgccctt 720
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ggccaaggta cccacaggat cccatccccct cccgcacagc cctggggccc agcacctccc 840
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gagaacagga agccattcac ctccgctcct tgagcgtgag tgtttccagg accccctcgg 960
ggccctgagc cgggggtgag ggtcacctgt tgtcgggagg ggagccactc cttctccccc 1020
aactcccagc cctgcctgtg gcccgttgaa atgttggtgg cacttaataa atattagtaa 1080
atccttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nn 1132

```

<210> 188

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<400> 188

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tggaaggcag ctatgcgact caccgtgctg tgtgctgtgt gcctgctgcc tggcagcctg 180
gccctgccgc tgcctcagga ggccgggaggc atgagtgagc tacagtggga acaggctcag 240
gactatctca agagatttta tctctatgac tcagaaaaca aaaatgccaa cagtttagaa 300
gccaaactca aggagatgca aaaattcctt ggccctaccta taactggaat gttaaactcc 360
cggtcatag aaataatgca gaagcccaga tgtggagtgc cagatgttgc agaatactca 420
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ggcaaagaga tccccctgca tttcaggaaa gttgtatggg gaactgctga catcatgatt 600
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gtcatgcct ttgcgcctgg gacaggcttc ggaggagatg ctacttcga tgaggatgaa 720
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attcattcat tggattgtat atcattgttg cacaatcaga attgataagc actgttcctc 1020
cactccattt agcaattatg tcaccctttt ttattgcagt tggtttttga atgtctttca 1080
ctccttttaa ggataaaactc ctttatggtg tgactgtgtc ttattcatct atacttgag 1140
tgggtagatg tcaataaatg ttacatacac aaataaataa aatgtttatt ccatggtaaa 1200
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aaaaataa                                     1267

```

<210> 189

<211> 3787

<212> DNA



<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<400> 189

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ggtcggcctg gaagcagcca agacggaaaa gcaantgtgt gagcccgaaa acccatgcaa 180
ggacaagaca cacaactgcc acaagcacgc ggagtgcac tacctgggtc acttcagcga 240
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ccactgcac aaggataact gccccatct gccaaattct gggcaggaag actttgacaa 420
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ggacaactgc cagctcctct tcaatccccg ccaggctgac tatgacaagg atgaggttgg 540
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tgagaggggt gacgcctgct ccgtggacat tgatggggac gatgtcttca atgaacgaga 660
caattgtccc tacgtctaca aactgacca gagggacacg gatggtgacg gtgtggggga 720
tcactgtgac aactgcccc tggtgcacaa ccctgaccag accgacgtgg acaatgacct 780
tggtggggac cagtgtgaca acaacgagga catagatgac gacggccacc agaacaacca 840
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agatgatatt gacaatgaca acatcccaga tattgatgat gtgtgtcctg aaaacaatgc 1080
catcagttag acagacttca ggaacttcca gatggtcccc ttggatccca aagggaaccac 1140
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<210> 190

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<400> 190

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ctcaccacgg atgttgacc tgatctggac caagatgaag attagctaag caacaatcaa 360
tgcatgaaag agaaataact ttacgaaagc accttttggg accaaaactt tcaatactga 420
aactgtaaca tctttaatm tttctgctaa tattttcagt ttgcagacat atgatttttg 480

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<210> 191

<211> 874

<212> DNA

<213> Homo sapiens

<400> 191

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gccgtgctgc atggcacctg cctgcggcac gtggccaatc cccgcggcgc tgtcacgccg 180  
gagtacaccg tagccaatgt catctctgtc ggctcggggc tgetgagcgt ttccgtggga 240  
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tgtcactcac tgtggccaac ggtggccgcc gccttattgc tgactgccac ccaggactgc 420  
tggatcctct ggtaccactg gatgaggggc cgggacatac tgactgcccc tttagaccca 480  
caagaatcta tgatacagcc ttggctctct ggatcccttc tttgctcatg tctgcagggg 540  
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<210> 192

<211> 2103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<400> 192

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<210> 193

<211> 1317

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1314)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1316)

<223> n equals a,t,g, or c

<400> 193

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ctccagacct catgccttct gggaccacga catctctgca atctcgggaa ctggaatata 180
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ttcaacttct tgttctggct atgtggtatc ttgatcctag cattagcaat atgggtacga 420
gtaagcaatg actctcaagc aatttttggg tctgaagatg taggctctag ctctacgtt 480

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gctgtggaca tattgattgc tgtagggtgcc atcatcatga ttctgggctt cctgggatgc 540
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<210> 194

<211> 1252

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1240)

<223> n equals a,t,g, or c

<400> 194

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<210> 195

<211> 1688

<212> DNA

<213> Homo sapiens

<400> 195

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cagctggatg caccatccc caatgcaccc cctgcgcgct ggcagcaaaa gccagggaag 180  
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<210> 196

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (756)

<223> n equals a,t,g, or c

<400> 196

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<210> 197

<211> 1471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<400> 197

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<210> 198

<211> 692

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<400> 198

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ccaatctaga ctgaatattg gtgtggacat ggggggtggg tgggagtaga aaattttgtg 600
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```

<210> 199

<211> 1573

<212> DNA

<213> Homo sapiens

<400> 199

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gagctgcttc gcctagaact ggccgaaatg aaagagaagt atgaagctat tgtagaagaa 300
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agccttgaat tcattttatc ttcattatcc ctgtgaagta ggtgggacaa gtataagggg 1320
aagaggggtg ctgaattttt aggccaaaga ctgatattaa tacaaatcac tcactaactg 1380
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```

tagagccttg ggcattatca gtgaactact ctgagattta ctgtcttcat ctgttttaatg 1440
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aaaaaaaaaa aaa 1573

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<210> 200

<211> 2742

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<400> 200

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gtgtcttcgt caaattacag aagccaaatg ctgccatccg agactgtgac agagccattg 180
aaataaatcc tgattcagct cagccttaca agtggcgggg gaaagcacac agacttctag 240
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gaaagtatga gcgaaaacgt gaagagcgag agatcaaaga aagaatagaa cgagttaaga 420
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ctgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggg gg 2742

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&lt;210&gt; 201

&lt;211&gt; 1417

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 201

```

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ctcgaggggg gcccgtaccc aattcgccgt atagtga 1417

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&lt;210&gt; 202

&lt;211&gt; 1512

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (855)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1512)

<223> n equals a,t,g, or c

<400> 202

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cccactgtgc tgccyggctc ccccagcaag acccgggggc agatccagggt gattctcggg 180
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aaaaaaaaaa an 1512
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<210> 203

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 203

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tgggcagggt cccgctggcc tgggtgcttg cgctgtgcgg ctggggcgtg catggcccc 240
aggggcacgc argctgaaga aagtccttc gtgggcaacc cagggaatat cacaggtgcc 300
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cggggactca cgggcaccct tcggtgtcag ctccaggttc agggagagcc ccccgaggta 360  
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<210> 204

<211> 2833

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2802)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2822)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2831)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2832)

<223> n equals a,t,g, or c

<400> 204

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gggaggagca cctgcaggcg cgggcggcgg cccaccatg gcgattcgca agaaaagcac 180  
caagagcccc ccagtgtga gccacgaatt cgtcctgcag aatcacgcgg acatcgtctc 240  
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atcagtgtcc ctttattact atggcatcaa agatttggct actgttttct tctacatgct 420  
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<210> 205

<211> 5830

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5585)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5821)

<223> n equals a,t,g, or c

<400> 205

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attccccgcg cccctccagc cctcgccgcg ctcgccaccg ctcccgccg ccgcgctccg 120
gtacacacag gatccctgct gggcaccaac agctccacca tggggctggc ctggggacta 180

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nagggggccc 5830

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&lt;210&gt; 206

&lt;211&gt; 755

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<400> 206

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cggcctgtgt gcgcctgcg gcaattgaca ccamctgcg agggggttct gcggcggtgg 720
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<210> 207

<211> 1996

<212> DNA

<213> Homo sapiens

<400> 207

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aaaaaaaaaa ctcgag                                     1996

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<210> 208

<211> 1668

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1505)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1598)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1620)

<223> n equals a,t,g, or c

<400> 208

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<210> 209

<211> 2250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<400> 209

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2250

```

&lt;210&gt; 210

&lt;211&gt; 838

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 210

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gcggtgatta aataatgaaa gagttcgacg cggccgggaa tttaggaggt aaatatcc 838

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&lt;210&gt; 211

&lt;211&gt; 1213

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1206)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 211

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cagggtcaac atgactattg cgactgcaaa gatggctctg acgagccagg cagggtgcc 360
tgtcctaata gcagcttcca ctgcaccaac actggctata agcccctgta tatccctcc 420

```

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atggccgagg tcacccgcga agggttccgt ctgaagaaga tccttattga ggactggaag 600  
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<210> 212

<211> 969

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (922)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (955)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (958)

<223> n equals a,t,g, or c

<400> 212

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<210> 213

<211> 1694

<212> DNA

<213> Homo sapiens

<400> 213

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<210> 214

<211> 1210

<212> DNA

<213> Homo sapiens

<400> 214

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&lt;210&gt; 215

&lt;211&gt; 1776

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 215

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1776

<210> 216

<211> 1418

<212> DNA

<213> Homo sapiens

<400> 216

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<210> 217

<211> 2200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2188)

<223> n equals a,t,g, or c

<400> 217

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<210> 218

<211> 1853

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (890)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1794)

<223> n equals a,t,g, or c

<400> 218

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<210> 219

<211> 1093

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1091)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1092)

<223> n equals a,t,g, or c

<400> 219

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aaaaaaaaa nna 1093

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&lt;210&gt; 220

&lt;211&gt; 2155

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 220

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<213> Homo sapiens

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<222> (125)

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&lt;210&gt; 222

&lt;211&gt; 2085

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 222

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<211> 2921

<212> DNA

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<222> (2921)

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<400> 223

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<213> Homo sapiens

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<221> misc feature

<222> (4382)

<223> n equals a,t,g, or c

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<221> misc feature

&lt;222&gt; (4391)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 224

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<221> misc feature

<222> (2959)

<223> n equals a,t,g, or c

<400> 225

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cccggagcag cgcggcagca gcatggctca cgggcccggc gcgctgatgc tcaagtgcgt 60
ggtgggtcgg gacggggcgg tgggcaagac gtgcctactc atgagctatg ccaacgacgc 120
cttcccggag agtacgtgcc caccgtcttc gaccactacg caggaagact atgaccgtct 180
gaggccttta tcttacccaa tgaccgatgt ctctcttata tgcttctcgg tggtaaatcc 240
agcctcattt caaaatgtka aagaggagtg ggtaccggaa cttaaggaat acgcaccaa 300
tgtacccttt ttattaatag gaactcagat tgatctccga gatgaccca aaacttttag 360
aagactgaat gatatgaaag aaaaacctat atgtgtggaa caaggacaga aactagcaa 420

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agagatagga gcatgctgct atgtggaatg ttcagcttta acccagaag gattgaagac 480
tgtttttgat gaggctatca tagccatttt aactccaaag aaacacactg taaaaaaaag 540
aataggatca agatgtataa actgttgttt aattacgtga gaaacatctt cagtggccaa 600
ggaaactgtc catttctctc agaaagcaaa tgaaatgcta cagctatacc cagacctttt 660
ataggtaatg aagcagttca aaacttgaaa gaaaacaaaa cctgtcctca gaattctata 720
aagtgtatta agaatgttcc tttaaaggttt aagaagcagt aagcagcatc tgaagccaca 780
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ggaggaaaat tttcatgttc ttctgtgaag cttatttggt acactggagc catttcta 1860
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gaattacaac agtaaaactat tacacatttc caactgcct ttggggattt atgaggattt 2640
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taattcaaak ttagaagtct agaatttgcc ctgccctaac agaaacagat taggaatttg 2760
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gggaggtaga acagagatct ccaacgtctc tcccatttat cacagtaatt ttcttattca 2880
cagtaatcat tggtggrtgt tactttttca ncttcacatt ctcaagatgg taaaaatcat 2940
gtatatagat tatcagaant ctaagcaaag atgactgtca catctgaagc tgaggtgcct 3000
taggtacatc ggccgcgacc acggtgaagcc gaatt 3035

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&lt;210&gt; 226

&lt;211&gt; 1511

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 226

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ccggctccgc tgcggaaggc ggacgactag agtcgttggg cccggcgcga cccgcaggag 60
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ggcggagagc agggaggagga gcggttcgac ggcatgttgc tggccatggc tcagcagcac 180
gaggggcggc tgcaggagct tgtgaacacc ttcttcagct tccttcgacg caaaacagac 240
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tgccggtgtt a 1511

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&lt;210&gt; 227

&lt;211&gt; 2239

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2238)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 227

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aacccccaga atactggtag gggccaaggc catgctcccc ttgggaaaca gaaacaagtg 540
cccagtcagc acctaccctt tcccccccag gggkttgaat atgcaaaagc agttccgctg 600
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agaaccattt gccacacccc gtttagttac agctgaactc ctccatcttc caaatcaatc 720
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ggtccccaat cccccctnt 2239

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&lt;210&gt; 228

&lt;211&gt; 2346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 228

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tccaacacct acaacaggca gaactgggag gatgcggact tcccattct gtgccagaca 180
tgtcttgag aaaaccata tatccgaatg accaaagaaa agtatgggaa ggaatgcaa 240
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gcagccagag gaaaagaaaa agagaaagat ggaactacag actctgggat caaactagaa 1080
cctgttccag gattgccagg agctcttctc ctcctcctg cagcagaaga agaagcctct 1140

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gccaaactact tcaacttgcc cccaagtggc cctccagctg tggatgaacat tgctctgcc 1200
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atgggaccac cccctccttt catgcggtct ccaggaccaa tccactatcc ttctcaggac 1320
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ctggggctct gtggaagaaa gggcacttaa aactcccagt aaatcctgga ataatatat 1440
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ctgacagcca tgctttccta tacttggtca aaggatcgat ggaccgtaaa taagctgcc 1560
ttaacacatc tggttactgc tgtaacatga ctaataaaac cgaacgcctg ttccccttac 1620
ccgtgtgggg gacacgcaga tgagtgaatt ggaatgtcca gcagagttac cctcccaatt 1680
atatgttcat tttgtatatt ttttggtcgg gggaaaaatt gacctgcagt aaaaaaacct 1740
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atgtgttttt tgtttttaa taattaaaac ggggtcaattt ttcaaaaaa aaaaaaaaa 2340
aaaaaa
2346

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&lt;210&gt; 229

&lt;211&gt; 2246

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2235)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 229

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ctccagatgc tgaggtgcct gtatcattgg cacaggccag tgctgaaccg tagtgagta 120
ggctgtgcct tctgaagcag tatctattca caatgaagtt gcagtctccc gaattccagt 180
cacttttcac agaaggactg aagagtctga cagaattatt tgtcaaagag aatcacgaat 240
taagaatagc agggaggagca gtgagggatt tattaatgg agtaaagcct caggatatag 300
attttgccac cactgctacc cctactcaaa tgaaggagat gtttcagtcg gctgggattc 360
ggatgataaa caacagagga gaaaagcacg gaacaattac tgccaggcct catgaagaaa 420
attttgagat tactacacta cggattgatg tcaccactga tggaagacat gctgaggtag 480
aatttacaac tgactggcag aaagatgcgg aacgcagaga tctcactata aattctatgt 540
ttttaggttt tgatggcact ttatttgact actttaatgg ttatgaagat ttaaaaaata 600
agaaagttag atttgttgg catgctaaac agagaatata agaggattat cttagaattt 660
taagatactt caggttttat gggagaattg tagacaaacc tggtgaccat gatcctgaga 720
ctttggaagc aattgcagaa aatgcaaaag gcttggtctg aatatcagga gaaaggattt 780
gggtggaact gaaaaaaatt cttgttggt accatgtaaa tcatttgatt caccttatct 840
atgatcttga tgtggctcct tataatgggt tacctgctaa tgcaagttta gaagaatttg 900
acaaagtcag taaaaatgtt gatgggtttt caccaaagcc agtgactctt ttggcctcat 960
tattcaaagk acmagatgat gtcmaaaat tggawttgag gttgaagatc gcgaaagagg 1020
agaaaaacct tggcttattt atagttaaaa ataggaaaga ttttaattaaa gcaacagata 1080

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gttcagaccc attgaaaccc tatcaagact tcattataga ttctaggga cctgatgcac 1140
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cagtggtcca ttctccatt tcctgtaagt ggccatgaca tcagaaaagt gggcatttct 1260
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aaagtcattg gattaacttg agggtcacta ttgagcctat taattaatta attattgttt 2040
taataaaaca aacattggta ttggaagata aatatgttta tgggtatct gacaatgtgt 2100
attaggtgtc atatacaatg gtaatatgcc tgtctttaa gtgtattttt attaatataa 2160
aggatatggc tattattata tattctctaa agatttattc tctaaagaaa gatttgatgc 2220
ctaaatgctt tcatncagg aaataa 2246

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&lt;210&gt; 230

&lt;211&gt; 2002

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 230

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gcccggctgt tgggggtggc gtgacgacag gcagaaaag accagctggg cccagattcg 120
ctgctggagt gctggatgga gcctttctct gccctctgtg acatttccaa ttttagataa 180
tgctcacat ctctgtcccc ccgggacccc ctggagcccc catgatccct aagaagacag 240
cttgaaccta gatctcacc ccaggatgtt gcggaggctg ctggagcggc cttgcacgct 300
ggcctgctt gtgggctccc agctggctgt catgatgtac ctgtcactgg ggggcttccg 360
aagtctcagt gccctatttg gccgagatca gggaccgaca ttgactatt ctcaccctcg 420
tgatgtctac agtaacctca gtcacctgcc tggggcccca rggggtctc carctcctca 480
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ccggtaccgc cctgcagggt gtgagccccg ctcccgaaca gccatcattg tgcctcatcg 660
tgccgggag caccacctgc gcctgctgct ctaccacctg cacccttct tgcagcgcca 720
gcagcttget tatggcatct atgtcatcca ccaggctgga aatggaacat ttaacagggc 780
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ttttctgcct atgctggaat agctccctct tctggtcctg gctcaggggg ctgggatttt 1920
gatatatattt ctaataaagg actttgtctc gcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1980
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<210> 231

<211> 994

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (853)

<223> n equals a,t,g, or c

<400> 231

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tcgaccacg cgtccggttg gaggaggctg gctgggtatc gggagttgga gggctgaggt 60
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gccgaggcct gggttacaag cagcaagtgc gcggttgagg ccactgcgag gccgttttag 180
aaaactgttt aaaacaaaga gcaattgatg gataaatcag gaatagattc tcttgacct 240
gtgacatctg atgctgtgga acttgcaaat cgaagtgata actcttctga tagcagctta 300
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ttgttcgta cacctgaaaag tgttcacgca agtnattcat caagtgactc atcttttgaa 420
ccaataccat tgactataaa agctattttt gaaagattca agaacaggaa aaagagatat 480
aaaaaaaaa aaaagaggag gtaccagcca acaggaagac cacggggaag accagaagga 540
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gacagtcgta gatacaaatt tttgatgat gatggatcca tttctcctat tgaggagtca 840
acgtaagtgg aantcatatg aaatactttg gtaataggtt ataaattaaa tttctatggt 900
aattgcttca tattttgcct ttaatatagt tataacttaa taatgaacaa agatacagag 960
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```

<210> 232

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (440)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (485)  
<223> n equals a,t,g, or c

<400> 232  
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cgaccacgc gtccgggaac agccttctcc tgcctcctct gcacctggac aactcaactc 120  
ctgccaagat gtctgccag cagaaccagc agcagtgcca acccccaccc aagtgtccct 180  
cacc caagt tccccaaag agcccagtac agtgtctgcc tccagcttcc tctggctgtg 240  
ccccaaagctc tgggggctgt ggcctagctc cgagggcggc tgcttcctga accaccacag 300  
gcgccaccac cgatgccggc gccagaggy ccaactcctgt gacagggcag tggtcagcaa 360  
ggcgrggggt ctggstgckg cayggttctg ggggctgctg ctgatccaga tcctgatgct 420  
gagacaagcg atctttggan gaaacaagaa ttccaagag gccagaaca gcccctctg 480  
gaagnc 486

<210> 233  
<211> 2081  
<212> DNA  
<213> Homo sapiens

<400> 233  
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taagtctttt ggaggacgaa caactggagg ttcgagaaat ggctgctact accttaagcg 180  
gtctgctaca gtgtaacttt cttaccatgg acagtcttat gcagattcat tttgagcaac 240  
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ttccttctgc agagttggtc aaacgccatg ctgggggtgct aggacttggg gcatgtgttc 360  
tttctagtcc ttacgatgtt cccacctgga tgccccagct cctcatgaat ctcatgtcac 420  
atctaaatga tcctcagcct attgagatga ctgtaaaaaa aaccttatcc aatttccgaa 480  
gactcaccat gacaactggc aggaacataa acagcaattc actgatgacc aactgcttgt 540  
tctcaccgat cttcttgtgt caccatgcta ttatgcatag aaagatgact agtcctcact 600  
tcaggctctt ttcatacaaa attccacacc ctcaggtacc atctgtggtg gctctctgca 660  
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ttccagaata ctgatcactt ttttttttga ggcactctgac aaagtcacaa agtctcagac 840  
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aaacagttta cttggaatgg agaataccca tctgtaatac aggtcctgtc atttcattca 960  
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tgggccataa atctgaagcc ttgagaacct tgggtctgga gagccatgaa gagggaagga 1080  
aaagagggca agtcctgaac ctaaccaatg acctgatgga ttgctcgacc aagacacaga 1140  
agtgaagtct gtgtctgtgc acttcccaca gactggagtt tttgggtgtg aatagagcca 1200

```

gttgctaaaa aattgggggt ttggtgaaga aatctgattg ttgtgtgtat tcaatgtgtg 1260
attttaaaaa taaacagcaa caacaataaa aaccctgact ggctgttttt yccctgtatt 1320
ctttacaact attttttgac cctctgaaaa ttattatact tcacctaaat ggaagactgc 1380
tgtgtttgtg gaaattttgt aattttttwa tttatttwat tctctctccc tttttatttt 1440
gcctgcagaa tcgttgagag actaataagg cttaatatatt aattgatttg tttaatatgt 1500
tatataaatg taaaagagtg tataaactgt agagatagca ttggcaagac attgtacaga 1560
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atagtgattt tgggctttgt acccactgaa tgccattttt tgtgttttta aattattttc 1680
tttatcttgt tacaaaaact gagatgtggg gttttttttt ttcagttcac ttatcattag 1740
aatgtctgaa cttttatgta acatttttgt gtgcctctct caatgctaac accacatgtt 1800
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acagtattta agtgctggca tacacaggcg taatccctgt ataaagtagt gccaaactga 2040
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```

<210> 234

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (498)

<223> n equals a,t,g, or c

<400> 234

```

cggcacgagg ggccaggggt cgggcctgcg cctccctcgg ctccctggcg gggcctcggg 60
gagaggggtg gaagatgtct atggatgtga cattcctggg gacgggtgca gcatacccat 120
ctccaaccgg gggcgctctc gctgtgggtc ttcgggtgtga aggcgagtsc tggctctttg 180
actgtgggga gggaaacacag acacagctta tgaaaagcca acttaaagca gggagaatta 240
ccaagatctt catcacacac cttcatggag accatttctt tggccttcct gggctcctct 300
gcacaatcag cctgcagagt ggctccatgg tgtccaaaca gcctattgaa atctatggcc 360
ctgtaggctt cgggacttta tctggcgaac catggaactc tctcamacgg gagctggtct 420
tccattatgt ggttcatgaa ctggttccta cagcagatca atgtcctgca gaaggaacta 480
aaagaatttn cgcattgtnaa tagagcagac agtcct 516

```

<210> 235

<211> 1129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (807)

<223> n equals a,t,g, or c



&lt;400&gt; 235

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cagctcgwcc tctgcttcct tacagcacc ccacctgcc gagctgatcc tccctaggcc 60
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gagaggaggg gcaggaccag atcttttgag agctgagggg tgagggcatt gagccaacac 180
acagatttgt cgctctgtgc ccggaagaca cctgcacct ccatgcggas caagatgggg 240
aatggaactg aggaagatta taactttgtc ttcaagggtg tgctgatcgg cgaatcaggt 300
gtggggaaga ccaatctact ctcccgattc acgcgcaatg agttcagcca cgacagccgc 360
accaccatcg gggttgagtt ctccaccgc actgtgatgt tgggcaccgc tgctgtcaag 420
gctcagatct gggacacagc tggcctggag cggtaaccgag ccatcacctc ggcgtactat 480
cgtggtgcag tggggggccct cctggtgttt gacctaacca agcaccagac ctatgctgtg 540
gtggaagcga ggtgaagga gctctatgac catgctgaag ccacgatcgt cgtcatgctc 600
gtgggtaaca aaagtgacct cagccaggcc cgggaagtgc cactgagga ggcccgaatg 660
ttcgtgaaa acaatggact gctcttcctg gagacctcag ccctggactc taccaatgtt 720
gagctagcct ttgagactgt cctgaaagaa atctttgcga aggtgtccaa gcagagacag 780
aacagcatcc ggaccaatgc catcacntct ggcagtgcc aggttgaca ggagcctggc 840
cctggggaga agagggcctg ttgcatcagc ctctgacctt ggccagcacc acctgcccc 900
actggctttt tgggtgccct tgtcccaact tcagccccag gacctttcct tgccctttg 960
ttccagatat cagactgttc cctgttcaca gcacctcag ggtcttaagg tcttcatgcc 1020
ctatcacaaa tacctctttt atctgtccac ccctcacaga ctaggaccct caaataaagc 1080
tgttttatat caaaaaaaaa aaaaaaaaa aaaaaaaaa aaaaaaaaa 1129
```

&lt;210&gt; 236

&lt;211&gt; 1045

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (973)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1001)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1014)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 236

```
atcctcaaag gcagctcagg ctccgtgtgg ctgcgcaacc tgcaactggg cctcttcggc 60
acagcactgg gcctggtggg gctctggtgg gctgagggta ccgccgtggc caccgtggt 120
ttcttttttg ggtacacacc tgctgtctgg ggcgtggtgc tcaaccaggc cttcggcggg 180
ctactgggtg ctgtggttgt caagtacgct gacaatatcc tcaagggtt tgccacctcc 240
ctgtccattg tgctgtccac tgttgccctc attcgcctct ttggcttcca cgtggacca 300
ttatttgccc ttggcgtgg actcgtcatt ggtgctgtct acctctacag cttcccccga 360
ggtgcagyc aagccatagc ctctgcctct gcctccgcct ccgggccctg cgttcaccag 420
cagcctcccg ggcagccacc accaccgag ctgtcttccc accgtggaga cctcatcac 480
```

```
gagccctttc tgccaaagtc agtgctggtg aagtragggc tggcagcaat ggggggacac 540
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cggggcctgg ctccctctggg tttgggagat ggtcttttct cccagggtcac tgagacttct 660
ggaggggtgt gggactagag ctgggtgtca cgtgaaccct tcctggtagg gtgacccct 720
tcccctggag ggggtgttag agctgccgcc tctgctccct ctaacctctt tggaggcagg 780
gttgggggta ttgtcattca aggccttttt tttgtctgct ccctccccga ccctgtgcc 840
tcttctggag gttctcgtct gggagagtcc ctccagcagt ccctcactca taaggcacac 900
tgacaaaaac tccgagtctt aggaatgacg atgcctactg tggggtagtg ccatagttgg 960
gcttttctcc ttncacgttg atatgtatag tcgctttggg nctgccagtt cttntacttg 1020
aatgcttctg gagccaggaa aggca 1045
```

<210> 237

<211> 690

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (666)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (678)

<223> n equals a,t,g, or c

<400> 237

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ggaggagggt ctgccacagc tctccgcacc tctcctctcc cagggcagcc tgtgagcagc 60
aagctgtggc tctgactctg caggaggaca gagcatccct gacgctttca ggggggccct 120
cggcactggc ctttgacctc tccaagggtac caggcccaga ggcagccccc aggctgyggg 180
cgctgacact gggcctggca aaacgcgtgt ggagcctgga gcggcgactg gcagctgcag 240
aagagacagc tgtcagcccg aggaagagcc cccggcctgc agggcctcag ctcttcttac 300
cagaccaga tccccagaga ggtggccctg gacctggagt caggaggcgg tgtccaggag 360
agtcgctcat caaccccggt ttcaagagta agaaaccagc tgggtggcgtg gacttcgatg 420
agacctgaag gtgcagcaca agcgtggccc cgcggggagt ccgcctatga ggggagaggc 480
agtctttgag gccccatca gagaccccc gccaccacct ccacctgcct gtcctgggcc 540
aggactaaca cggtcctca aattccttcc ctgtcaaata aacagctccc ttggttggaa 600
aaaaaaaaaa aaaaaaaaaa agtttttttt aattttaagg cgggccaaag ttttttttcc 660
tttttngttg aagggttnat tttttagttt 690
```

<210> 238

<211> 1873

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<400> 238

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ccccagtatg cgtggctgaa agagctggg ctccgcgagg aaaacgaggg cgtgtataat 180
ggaagctggg gaggccgggg agaggttatt acgacctatt gccctgctaa caacgagcca 240
atagcaagag tccgacaggg cagtgtggca gactatgaag aaactgtaaa gaaagcaaga 300
gaagcatgga aaatctgggc agatattcct gctccaaaac gaggagaaat agtaagacag 360
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gctgktggtt tatcaaggat gattggagga cctatcttgc cttctgaaa atctggccat 540
gcactgattg agcagtggaa tcccgtangc ctggttggaa tcatcacggc attcaatttc 600
cctgtggcag tgtatgggtg gaacacgcca tcgccatgat ctgtggaaat gtctgcctct 660
ggaaaggagc tccaaccact tccctcatta gtgtggctgt cacaaagata atagccaagg 720
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gaggagaaaa gcacactggg ggtggcaggg agtctggcag tgatgcctgg aaacagtaca 1560
tgagaaggtc tacttgact atcaactaca gtaaagacct tcctctggcc caaggaatca 1620
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cagtgactaa tccccctatg accccaaagc cctgattaaa tcaagagatt ccttttttaa 1800
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tttattatgg tca 1873

```

<210> 239

<211> 905

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (873)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (874)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (897)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (898)

<223> n equals a,t,g, or c

<400> 239

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gctgtgccag aagcgggagg agctgtgccg gcagatccag gaggaggagg acgagaagca 180
gcggctgcag aatgagggtga ggcagctgac agagaagctg gcccgcgta acgagaacct 240
ggcacgcaag attgcctctc gcaacgagtt cgaccggacc atcgcggaga cggaggccgc 300
ctacctcaag atcctggaga gctcccagac tttgctcagc gttctcaaga gggaagctgg 360
gaacctgacc aaggctacag ccccagacca gaaaagtagc ggcggcaggg acagctgacc 420
agaccacggg cagggcctgc ctccgtgtgc ccctcagetc agccccagca agtgtgtgct 480
cagagcatct ttgttcttca cggcagcagc taccttcct cactgtctca ggtgccgaga 540
ggggcagggt ccagcctcca ctggcatcag tgacaagccc agggcacagc ccacccgggg 600
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gggcttgtct ctgtggcacc cacactcctg ccctgccagg gaggctctgg ttgtctgagc 720
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ggaggacagg ggttctcctt caccacagaa cccaaacctc aggtctcacc cctgtggcct 840
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ggggg                                           905
```

<210> 240

<211> 1484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1480)

<223> n equals a,t,g, or c

<400> 240

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gtctgcttct gctacttggg gaagagattt agaattatgt atcttttgtt acagatatatac 120
agatatataa atatacagat atacaaataa gggatgaagat ggagggaatc tgataaagac 180
atcttataaa ttcaacagac acaaaagaat ttgatctccc ataagcaact gtgaaattac 240
aataacagat cctgggaagt tctacaattc taattcagtt ttttcaaggg ggaacatggc 300
```

```

aaaggtgttc agtttcatcc ttgttaccac cgctctgaya atgggcaggg aaatttcggc 360
gctcgaggac tgtgcccagg agcagatgcg gctcagagcc cagggtgcgc tgcttgagac 420
ccgggtcaaaa cagcaacagg tcaagatcaa gcagcttttg caggagaatg aagtccagtt 480
ccttgataaaa ggagatgaga atactgtcgt tgatcttggg agcaagaggc agtatgcaga 540
ttgttcagag attttcaatg atgggtataa gctcagtggg ttttcaaaaa tcaaacctct 600
ccagagccca gcagaatttt ctgtttattg tgacatgtcc gatggaggag gatggactgt 660
aattcagaga cgatctgatg gcagtgaaaa ctttaacaga ggatggaaa actatgaaaa 720
tggtcttgga aattttgtcc aaaaacatgg tgaatattgg ctgggcaata aaaatcttca 780
cttcttgacc actcaagaag actacacttt aaaaatcgac cttgcagatt ttgaaaaaaa 840
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gaatattggg gaatattctg gaacagctgg agattccctt gcggggaatt ttcacctga 960
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taggccaaat gattttattc caaatgtaat ttaattgtcg ctgttgggct ttcgtttctg 1260
caattcagct ttgtttaaag tgatttgaaa aatactcatt ctgaacatat ccatgcgcaa 1320
tcatgataac tggtgtgagt agtgcttttc attcttctca cttgcctttg ttacttaatg 1380
tgctttcagt acagcagata tgcaatatcc accaaataaa tgtagactgt gttaawaaaa 1440
aaacaacaaa tatgaanaaa aaaaaaaaaa nggggggctn tttt 1484

```

&lt;210&gt; 241

&lt;211&gt; 1521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 241

```

caaaagcctt aatgggcctg cagactttga aaagcgagtg gagggcggtg ggcggccgcg 60
tgcgcccttg gtcaatgccc tcctgacagc acccgagtgc cttatttaca ctggctgcat 120
ggtttgtgtg tttctgtttt gttctctccc ccctgcaggg ctgtttkcgg ggtgggggtg 180
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202

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&lt;210&gt; 242

&lt;211&gt; 1144

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1093)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1105)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1139)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 242

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tttactatat ataaagctaa gatgtggatt tacaggaaga accctgggtt gaataactga 1080  
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cccg 1144

&lt;210&gt; 243

<211> 934

<212> DNA

<213> Homo sapiens

<400> 243

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<210> 244

<211> 915

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (244)

<223> n equals a,t,g, or c

<400> 244

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catccagcct cctggccaac ctgtggcagt acaacaagct ccaccgtgac ttcggggcga 480
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aaaaaaaaaa aaacac                                     915

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&lt;210&gt; 245

&lt;211&gt; 1276

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 245

```

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tgaaaaatta aaaaaa                                     1276

```

&lt;210&gt; 246

&lt;211&gt; 3366

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 246

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cccacgcgtc cgaactggac agggatgacc aacctgctgg atatcccagg acttagctca 60
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ctgggtgccc ttgtgcctga ccttcaagat gtggctcagt tgcgttcccc tctgcccagg 180
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<210> 247  
<211> 2148  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (1259)  
<223> n equals a,t,g, or c

<400> 247  
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<211> 2225  
<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<400> 248

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catggcatct gtttacattt acctatcaa acctagaatg tgtatattta taaatgtatg 2040
tcttcattgc taggtactaa tttgcagatg tctttacata tttcaatata gaaactataa 2100
cattcaatag tgtgctgtca aagtgtgctt agctcacctg gatataccta cattgttaaa 2160
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aaaaa 2225
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<210> 249

<211> 1204

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1197)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 249

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ascactcagg ctggtcctgg ggggtggggt gtaggggaaa gtgctaaagc cgctgagtga 120
agtaagaact ctgctagaga ggaaatggct gcttcatcat catcctcctc agctgggtgg 180
gtcagtgga gttctgtcac tggatctggt ttcagtgtct cagacctgc cccaccacgg 240
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gatcagcaag ttgctcggat ggaaaaacta gctggtttgg tagaagagct ggaggctgac 420
gagtggcggg ttaagcccat cgagcagctg ctgggattca cccctcttcc aggttgatac 480
tgcttgatg gtcacctctg gtgcgcagca agtgcaaagc cagtggggga ctttctcaca 540
gcttacatag ccattccagag atccacagct acgtcactga attgttaatg cacatttgta 600
cttggtttct ctgtatctat tcacaggcaa caaatactta tatgtgtgat ctttcaggga 660
atgttttgtt tatttgtttt taaaagtatt gggaaatcaga ttaagacaat cagtttcaga 720
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taaaaataaa gcagtaagca aaatcctttt aaacacagaa atcctgagtt cttctcattg 1140
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aaaaa 1204
```

&lt;210&gt; 250

&lt;211&gt; 1314

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 250

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ccttcgcttg ctcagagtca ttggaaaaac cactgaactg gctacttttt aattactatt 180
tgacaacctg ccttcagtct tcagttaata agcaccgaca tatgtttgta aaacaagttg 240
atatggatca tgtcatgaag gctaaatcca tcagagagtt tgataagcga ttcacttcag 300
tcatgtttgg ataccaaaac attgatgatt attatactga tgccagtcg agtcctagac 360
tgaagtcagt aggaattcca gtattgtgtc taaattctgt ggatgatgtt ttctcaccia 420
gtcatgctat tccaatagaa actgctaagc aaaatcctaa tgttgctttg gtccttactt 480
cttatggagg ccattatggt tttctggagg gaatctggcc aagacagtcc acttacatgg 540
atcgtgtctt caagcaattt gtgcaagcca tgggtgagca tggacatgaa ctctcttaac 600
atgtagttct tttgggtgcat tttgtctgaa ccacaattgt gaaggcagct cagcttagtg 660
cacaaatttt aactgttgta tataaagcaa ataagccagc agatgggtga agagggtccag 720
aatgatatgc aaaaactact ttttagagaa acaaaacaac tttgtagcaa caaattaaat 780
atagtattag attgttactt acgtagattt tatttttact atgccttacc aagtacatcc 840
ttaaacaaag tagtatgtac atgaaattgc acttaaccaa aactatttg taaaacaaat 900
tttaattcct cagggtttta atttaacta gtattttttt agattatttg ttttaggtga 960
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tttaatggta ctttaataac tactaagaaa tattggctat ttcaatgtaa gttataaggt 1020
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acaacgtgct aaatctttta tgtattctaa ctttaaaaaga caagtgcac aaagttagac 1140
tgacttctat atgtgctctt ttactctgat aatattaaat taggactaac ttatgtttta 1200
taatgattat aatttacatg cttattttta aaatagtata tggggacaca tatatatcat 1260
tatattaaaa taaattctac cattttaaat tggaaaaaaa aaaaaaaaaa aaaa      1314

```

<210> 251

<211> 1159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1132)

<223> n equals a,t,g, or c

<400> 251

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ggatgggtctc gatctccagg atggtctcga tctcctgacg tcgtgatcca cccgcctcgg 180
cctcccaaaa tgctgggatt acaggtgtga gccactgtgc ccggccaaaa gaacagaaat 240
tattttatcc tgaagtaagc tgtttatatt tgggattata ctgaacctat ttgtccaata 300
acctgagttt tcaaataatt ttagttctat aagtactata attatataaa tattaatgaa 360
ttcagattag ctgaaaggaa aaaaagtaga agcctgacta cttggtgcta actactaaag 420
attttggcag aatcaatgtt ggatttggct ttctgtgcc ttcccatgc cagcccccca 480
gagtgttctg ccttgtgctg cctcccttca cckggagtgc cacaccctc tctctgccag 540
ttcagctctt cattcttcaa ggcctgacct tgtctgacct ttgtgcctct aaaccctgg 600
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gaagttgggg ttgaggagag ccagatggct ggagtggtta tttgaaggkc tttctgtcac 1080
ctgttcagtg tggctgtgcc caccctgct gacmaagact gactgaaatg tnaaataata 1140
cagaccatct caactcaga                                1159

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<210> 252

<211> 2488

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2334)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 252

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ccgnngacgc gtgggttgct cggcagcttg caaagcctga caacaccttg tttgtaaaca 120
gaacactttt tgatcaggtc cttgaattcc tttgtagtcc tgacgatgac tcccgaact 180
ctgaaagaca gcaggtcctt ttagaattgc tgacaggtcg aggcatagtt caatttgaag 240
agagtcgact catccggatg gcagaaaaag ctgagttcta tcaaatttgt gaatttatgt 300
atgaaagaga acaccaatat gacaaaatta ttgattgcya cttacgtgac cctctgcgag 360
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agaagcagtc tgtatggcag aaagcaatgg atcatattga ggaacycgkg kccctgaagc 480
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aaggtattca tgtaaatcaa gaattactgc aaatatctcc ttgtatcaca gagcagttca 660
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<210> 253  
<211> 1554  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1496)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1523)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1535)  
<223> n equals a,t,g, or c

<400> 253  
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cgggtcgacc caccgcgtccg nggacgcgtg gggtctggtt ttgctctagt gtttgggttt 120  
cttcgcggct gctcaagatg aaccgactct tcgggaaagc gaaaccaag gctccgccgc 180  
ccagcctgac tgactgcatt ggcacggtgg acagtagagc agaatccatt gacaagaaga 240  
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ccatccagtc tttgaaggac accaagacca cggttgatgc tatgaaactg ggagtaaagg 480  
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agatccctgc ttcatagatt tgcattcattc aagcatatct tgtaaaacaa acacatatta 840  
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gacctgataa attgataaga caaagatgag attattgggg ctgttcatat tatgattcag 1200  
aatcattttc tattgtggta ttatagggtg gttaaagtga tggccttttt gatgggtttt 1260  
gttggtgtctt gtgaacaagt cgttactgtg tccattattg gaatggaatt atcactactg 1320  
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<210> 254

<211> 1506

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1492)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1506)

<223> n equals a,t,g, or c

<400> 254

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ctttgtagct gagaacggct tgtttattgc tacaaagact ctattgacat tggtagcttc 180  
agcggcagca gcttcttacg gtataaagct gttgcttcct gaagaggcta caagcatcct 240  
tccctaggac tgctgtaagc tttgagcctc tagcaggaga catgcctcgg ggacgaaaga 300  
gtcggcgccg ccgtaatgcg agagccgcag aagagaaccg caacaatcgc aaaatccagg 360  
cctcagaggc ctccgagacc cctatggcgg cctctgtggt agcgagcacc cccgaagacg 420  
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ccaagaaaag tctcctgatg tctatattag cgctcatctt catcatgggc aacagcgcca 600  
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ttgggggtgt aaaagagagt cacaggatcc ccaaggagta gatgccaggg tcctaagttg 1020



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gttcaactgc gaaatagagt gtttgctttt gataatggaa aattgtattc gttttaaaat 1140
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<210> 255

<211> 654

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (632)

<223> n equals a,t,g, or c

<400> 255

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cgtctgccat cggcgccatc ctgcaatcta agccacaatg gtgcgcatga atgtcctggc 180
agatgctctc aagagtatca acaatgccga aaagagaggc aaacgccagg tgcttattag 240
gccgtgctcc aaagtcatcg tccggtttct cactgtgatg atgaagcatg gttacattgg 300
cgaatttgaa atcattgatg accacagagc tgggaaaatt gttgtgaacc tcacaggcag 360
gctaaacaag tgtgggggtga tcagccccag atttgacgtg caactcaaag acctggaaaa 420
atggcagaat aatctgcttc catcccccca gtttggttcc attgtactga caacctcagc 480
tggcacatcg gaccatgaag aagcaagacg aaaacacaca ggagggaaaa tcctggggatt 540
ctttttctag ggatgtaata catatattta caaataaaat gcctcatgga caaaaaaaaa 600
aaaaaaaaa aaaaaagggg gsgggtctag anggtccaag cttacgtacg cgtg      654
```

<210> 256

<211> 1992

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<400> 256

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gtacaactgg cagtatgtgc actgcctctt cctgtggtgc cgggtcctga gcactgcggg 120
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ccccagcgaa scctccagcc cttggtctac ccccttgccc aagtcacatc tggctgtatc 180  
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ctgtctctcg ggagctcggg ggccttcac cgggtgctgc ctttcatcct ggagatgttc 300  
cagcaggtcg acttcaacag gaagccaggg cgcagtagct ccaagcccat caacttctcc 360  
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gagcagctgt acgacctcac cctggagtac ctgcacagcc aggcacactg catcggttc 480  
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gccaaactact gccggcangt gcagcagctg cttgggaagg ttcaggagaa ctcggcatac 600  
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tgggagaagc tgacccggga agaggggaca cccttgacct tgtactacag ccactggcgc 720  
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caccggggag gatattcggc agcccgggca gtcgcagatc ggaggatgca cctgcaggat 1920  
ccccttgagc ataagcgtct tcagactttt cccttcagc cggaggggag ggcccgcgag 1980  
ccccaagcgc tg 1992

<210> 257

<211> 2273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2273)

<223> n equals a,t,g, or c

<400> 257

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cgacgctgct ggccagggtc cagccctatt caggcaggag ctgctcttct ggggtatcgc 240
gatccactta aggatgaggc agacttggtg acaagctggt ctgagcagcg cttccagagc 300
cagaactgag ccagtgaga gcgcaccctg gggcagcctg gattcctggg gtgtcccccg 360
cagccacaca cagccatgca ctaccaact gcactcctct tcctcatcct ggccaatggg 420
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attaaaaacc taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaattttgcg ncn 2273

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&lt;210&gt; 258

&lt;211&gt; 1504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 258

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ctgtactctg ccctagattg ttttagcttc tgttctgtaa tcatgagttt ggttgagat 60
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tattcaggga tttttttaa aagtcaatca gaaaagggat actggagctt cttcatgtat 180
gtaacagcat attaaactgg agacagtgat gaatcagcta caaaggtaat attgtattaa 240
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tgctgggtga tgaaagatta gttttagaga gaaaatgttc atctgtgcag aggatgcatt 360
ttcttccatt aattctggaa aaaacgttca cagttatata tatggtattt tgcaaaagga 420
ctattaatag aaccttttga gatgaattaa tgtaagaata ttttttaaat aggcttactg 480

```

```

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ttcagaaaat ggactgaagt ctgaataagg tcattgcatt taaaaagcat ataactgtac 720
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gtttgtttta tttactttca caataaactt ctgtgtagta aaaaaaaaaa aaaaaaaaaa 1500
aaaaa 1504

```

&lt;210&gt; 259

&lt;211&gt; 1792

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (487)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1306)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 259

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cggaatccc aaaggcgctg gtgagcttca aaagtgggaa ctggggctgg gccacagccg 180
gcagcagcag catcttggcg gagtttgat ccctgcactt ggaattctta cacctcactg 240
aactctctgg caaccaggtc ttcgtgaaa aggtcaggaa catccgcaag gtcctcagga 300
agatcgaaaa gccctttggc ctctacccca acttcctcag cccagtgaat gggaactggg 360
tgcaacacca tgtctcagtt ggaggactcg gggacagttt ttatgaatat ttgatcaaat 420
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aggcgantag agacctactt gctgaatgty tctcccgggg ggctgacctt cattgccgag 540
tggcgagggg ggattctgga ccacaagatg gggcacctgg cctgtttctc cgggggcatg 600
atcgcccttg gccgaggat gccaaggaag aaaagagggc ccactaccga gagctcgcag 660

```

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catcctcccg ccagaggtgg tggagagcta catgtacctg tggcgacaga cccacaaccc 840
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tgtggactag aataaaagag tttattgaat aagaaaaaaa aaaaaaaaaa aa 1792
```

<210> 260

<211> 2048

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<400> 260

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acccttagag gagggcgtgc gggggtctgt tttgcatgcg agccacccct ctggtgctgc 180
ctgcggttcc cctgtccagg aagaagcggg tggagttgga tgacaactta gataccgagc 240
gtcccgctca gaaacgagct cgaagtgggc cccagcccag actgcccccc tgcctgttgc 300
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ttccctgtgg gacaagcacg cgtgcccagc ctacgtggga cctgagatac tcagctcamg 780
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```

```

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aactcgac 2048

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<210> 261

<211> 1282

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1265)

<223> n equals a,t,g, or c

<400> 261

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tagtgccagc tacgggtccgc ggctgggggt ccctcctccg tttctgtatc cccacgagat 120
cctatagcaa tggaaactcag cgatgcaaat ctgcaaacac taacagaata tttaaagaaa 180
acacttgatc ctgatcctgc catccgacgt ccagctgaga aatttcttga atctgttgaa 240
ggaaatcaga attatccact gttgcttttg acattactgg agaagtccca ggataatgtt 300
atcaaagtat gtgcttcagt aacattcaaa aactatatta aaaggaaactg gagaattgtt 360
gaagatgaac caaacaataa ttgtgaagcc gatcgagtgg ccattaaagc caacatagtg 420
cacttgatgc ttagcagccc agagcaaatt cagaagcagt taagtgatgc aattagcatt 480
attggcagag aagatttttc acagaaatgg cctgacttgc tgacagaaat ggtgaatcgc 540

```

```

tttcagagtg gagatttcca tgttattaat ggagtcctcc gtacagcaca ttcattatTT 600
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gatgcctttg ctttgccctt gactaatctt ttttaaggcca ctattgaact ctgcagtacc 720
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ttgttctata gtttaaaactt tcaggatctc cctgaatttt ttgaagataa tatggaaact 840
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nggtnttggg actagacgca gg                                     1282

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&lt;210&gt; 262

&lt;211&gt; 599

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 262

```

ggcacgagcc cggcgagagg cggargcgga gtcggcctga gaggtctctc gtcgctgcag 60
gcgcctcagc ccagccgcgt gccttgcccc atggccgcct actcttaccg ccccgccct 120
ggggccggcc ctgggcctgc tgcaggcgcg gcgctgccgg accagagctt cctgtggaac 180
gttttcaga gggctgataa agacaggagt ggagtatat cagacaccga gcttcagcaa 240
gctctctcca acggcacgtg gactcccttt aatccagtga ctgtcaggtc gatcatatcc 300
atgtttgacc gtgagaacaa ggccggcggtg aacttcagcg agttcacggg tgtgtggaag 360
tacatcacgg actggcagaa cgtcttccgc acgtacgacc gggacaactc cgggatgatc 420
gataagaacg agctgaagca ggccctctma gtttcggcta ccggctctct kaccagttcc 480
acgacatcct cattcgaaa kttgacaggc argggacggg gcaratcgsc ttcgacgast 540
taatccaagg ctggcatggc ctgcagaggt ttacggatat attcaaagg ttcggcacg 599

```

&lt;210&gt; 263

&lt;211&gt; 1261

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 263

```

ggcacgaggt tgttcggagc gggcgagcgg agttagcagg gctttactgc agagcgcgcc 60
gggcactcca gcgaccgtgg ggatcagcgt aggtgagctg tggccttttg cgaggtgctg 120
cagccatagc tacgtgcgtt cgctacgagg attgagcgtc tccaccaggt aagtgggcaa 180
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tcttctgtgc ttcacatctt acataatgaa tcccagtatg aagcagaaac aagaagaaat 360
caaagagaat ataaagaata gttctgtccc aagaagaact ctgaagatga ttcagccttc 420
tgcatctgga tctctgttg gaagagaaaa tgagctgtcc gcaggcttgt ccaaaggaa 480
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agcacttaag gaaaaatgaga aacttcataa agaaattgaa caaaaggaca atgaaattgc 720
ccgcctgaaa aaggagaata aagaactggc agaagtagca gaacatgtac agtatatggc 780
agagctaata gagagactga atggtgaacc tctggataat tttgaatcac tggataatca 840

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```

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attaatatat gactgttgag aattttactg ccgaagttaa cctccactag ttctttgtag 1020
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gttgaacatt gtgtataact tagaataatg aaatataagg agtatgtgta gaaaaaaaaa 1260
a                                                                                   1261

```

&lt;210&gt; 264

&lt;211&gt; 1020

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 264

```

ctgctcctgg ccaacatcca gtattttatc ttgactgtcc taaccttacc ttagatgcta 60
acagaagggt cctgctcaaa taacactggg tgctatatat atgggtaaat gtgtacatcc 120
tattccttcc tctttatctc acaatttttg tctccactaa gcaagaagta aactaacact 180
tcgtcactct aaagaaataa cttatgtaaa actcttagta accctgtttg tcttcaaatg 240
agtaaataga ccaaagtggg gggacaattt tctagtcttg tagagggaaa aacatctgag 300
tcaacatttt gaaatgcaga gggatttggt acatgacgac atggaaaagg gcacttttaa 360
acacagctta ctcttcctca agtacagaga gtatatagtg aatcaaaact aactacagcc 420
attcttttta aagcccaagg gatggagcaa aggtgtaagg atgttacctg tttgttttaa 480
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```

&lt;210&gt; 265

&lt;211&gt; 571

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (557)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 265

```

ctttacggca sgmgtccgcg tcgctagcta gtcgttctga agcggcggcc agagaagagt 60
caagggcacg agcatcgggc catgcctttc ttggacatcc agaaaagggt cggccttaac 120

```



221

```
atagatcgat ggttgacaat ccagagtggg gaacagccct acaagatggc tggtcgatgc 180
catgcttttg aaaaagaatg gatagaatgt gcacatggaa tcggttatac tcgggcagag 240
aaagagtgcg agatagaata tgatgatttc gtagagtgtt tgcttcggca gaaaacgatg 300
agacgtgcag gtaccatcag gaagcagcgg gataagctga taaaggaagg aaagtacacc 360
cctccacctc accacattgg caagggggag cctcgccct gaacagagca gctgctgatg 420
tctggaggct gattttcctg ttctctgttc tccactggaa aggttgttta cgacaaacct 480
ccttgtaaaa gtgtgtaaaa ataaaggatt gctccatcct aaaaaaaaaa aaaaaaaaaa 540
aaaatttggg ggggggnccc cgtancccat t 571
```

&lt;210&gt; 266

&lt;211&gt; 1350

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (204)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1313)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 266

```
tgccgccatc gtcgtggggc ttctggggca gctagggctg cccgccgcgc tgcctgcgcc 60
ggaccggggc ggggtccagtc ccgggcgggc cgtcgcgga gagaaataac atctgctttg 120
ctgccgagct cagaggagac cccagacccc tcccgagcc agagggctgg agcctgctca 180
gaggtgcttt gaagatgccg gagncccgcc tctgctgttg gcagctgtgt tgcctggcct 240
ggtgctgctg gtggtgctgc tgcgtcttct gaggcactgg ggctggggcc tgccttat 300
cggttggaac gagttcatcc tgcagcccat ccacaacctg ctcatgggtg acaccaagga 360
gcagcgcac ctaaccayg tgcgcagca tgcggagccc gggaacgcac agagcgtgct 420
ggaggccatt gacacctact gcgagcagaa ggagtgggcc atgaacgtgg gcgacaagaa 480
aggcaagatc gtggacgccg tgattcagga gcaccagccc tccgtgctgc tggagctggg 540
ggcctactgt ggctactcag ctgtgcgcac ggcccgcctg ctgtcaccag gggcgaggct 600
catcaccatc gagatcaacc ccgactgtgc cgccatcacc cagcggatgg tggatttcgc 660
tggcrtgaag gacaaggcca cccttggttg tggagcgtcc caggacatca tccccagct 720
gaagaagaag tatgatgtgg acacactgga catggtcttc ctgcaccact ggaaggaccg 780
gtacctgccg gacacgcttc tcttgaggga atgtggcctg ctgcggaagg ggacagtgc 840
actggctgac aacgtgatct gcccagggtc gccagacttc ctagcacacg tgcgcgggag 900
cagctgcttt gagtgcacac actaccaatc gttcctggaa tacagggagg tggaggacgg 960
cctggagaag gccatctaca agggcccagg cagcgaagca gggccctgac tcccccccc 1020
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tgaccttctg cggctccggg ctgtgtccta aatgcaaaag acacctgcc gagcctgcgc 1140
cctgacatgc taacctctct gaactgcaac actggattgt tcttttttaa gactcaatca 1200
tgacttcttt actaactgct gctagctata ttatcttata tactaatatc atgttttaaa 1260
aatataaaat agaaattaag aatctaawa aaawaaaaaa acggggggcg ctntaaaggg 1320
tccaagctta acgtaagcgt gcatgggaag 1350
```

&lt;210&gt; 267

&lt;211&gt; 1319

222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 267

```
gcaaganaga aattaaccct cactaaaggg aacaaaagct ggagctccac cgcggtggcg 60
nccgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgaga gactccgcga 120
cctactgacc cggcgactga caggctccaa ctaccoggga ctcagtatta gccttcgcct 180
cactggctcc tctgcacaag aggmggcttc cggagtagcc ctcggtgaag cccagacca 240
cagctatgag tcccttcgtg tgacgtctgc gcagaaacat gttctgcatg tccagctcaa 300
ccggcccaac aagaggaatg ccatgaacaa ggtcttctgg agagagatgg tagagtgtt 360
caacaagatt tcgagagacg ctgactgtcg ggcggtgggtg atctctgggtg caggaaaaat 420
gttactgca ggtattgacc tgatggacat ggcttcggac atcctgcagc ccaaaggaga 480
tgatgtggcc cggatcagct ggtacctccg tgacatcatc actcgatacc aggagacctt 540
caacgtcatc gagaggtgcc ccaagcccgt gattgctgcc gtccatgggg gctgcattgg 600
cggaggtgtg gaccttgtca ccgcctgtga catccggtac tgtgcccagg atgctttctt 660
ccaggtgaag gaggtggacg tgggtttggc tgccgatgta ggaacactgc agcgcctgcc 720
caaggtcatc ggggaaccaga gcctgggtcaa cgagctggcc ttcaccgccc gcaagatgat 780
ggctgacgag gccctgggca gtgggctggt cagccgggtg tcccagaca aagaggtcat 840
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agcaccaagg tcaacctgct gtattccgc gaccattcgg tggccgagag cctcaactac 960
gtggcgtcct ggaacatgag catgctgcag acccaagacc tcgtgaagtc ggtccaggcc 1020
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cccaggcccc agccaggggg ccggccttgt cccgcctcat ccacagaaag ggaggtggg 1140
cgatgacagt tgtttctatg ccttctgacc cagtttccca gtttataact ttatgacaat 1200
gagtttctca agcccaaggc cttatcttca ccccaaaac aataaagcaa agtaagaaa 1260
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg ggggggggc 1319
```

&lt;210&gt; 268

&lt;211&gt; 3694

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (746)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 268

```
cggagctgcg ccctggtgtg caagcactgg taccgctgcc tgcacggcga tgagaacagc 60
gaggtgtggc ggagcctgtg cgcccgcagc ctggcagaag aggtctctgc caggacatc 120
ctgtgcaacc tgcccagcta caaggccaag atacgtgctt ttcaacatgc cttcagcact 180
```

```

aatgactgct ccaggaatgt ctacattaag aagaatggct ttactttaca tcgaaacccc 240
attgctcaga gcactgatgg tgcaaggacc aagattgggt tcagtgaggg ccgccatgca 300
tggaagtgt ggtgggaggg ccctctgggc actgtggcag tgattggaat tgccacaaaa 360
cgggcccca tgcaagtcca aggttatgtg gcattgctgg gcagtgatga ccagagctgg 420
ggctggaatc tgggtggacaa taatctacta cataatggag aagtcaatgg cagttttcca 480
cagtgcaca acgcacccaa atatcagata ggagaaagaa ttcgagtcac cttggacatg 540
gaagataaga ctttagcttt tgaacgtgga tatgagttcc tgggggttgc ttttagagga 600
cttccaaagg tctgcttata ccagcagtt tctgctgtat atggcaacac agaagtgact 660
ttggtttacc ttggaaaacc tttggacgga tgacagtggc tttcttgtga tgacmgacas 720
aatggaggag agatctgctt atgggnaakt asaaccatga agtgactgtc acacatgcat 780
gtccaagaaa catcctgaaa acacatgaag tcgtaaactg gagaagcagc tctacagcag 840
agattatctc gtgtttcctc tttctactgg gccagaaaaa tcctcagggt tgcaagttggt 900
tgagtgggca gttgacatat gcatgttgca ccgatgttg tctctaagtt agcaatgtgt 960
tatttccagc tttaaagggt agattgtaga gatgctgtca aagggataag gaaatagcaa 1020
gatttttaag tagtgtgttt gtgaagactg atccccattt acaactgcct gttctttctc 1080
cagtcctttt ttttccagcc agcttgacta ttgaaaaagt atgaaactgg ttgggtttta 1140
ttaataatatt ttaatatatt gagaagcatg gctgcctgg actgcacttc tctaaaaagt 1200
agatataaaa ttgtgcagct attttaaaag ttgtatataa tatgtgtgta aaaaaaaaaa 1260
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ctacatggtt acaaaattgg aataacattt tggggggaca actgggttaa ctacaaagaa 1380
gaggatttwa agaggagatg tgttgwattg acycatttkg watwatwwttw ggcttacagt 1440
tcccatagct gttagagtct ggtttgtttt tgtttttact ctcaaaatca tagtaaagat 1500
ctctcagctc cctggctaaa gattgaagga aggcaaatct atttctaatt atacatatat 1560
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ggccttctaa gaaagtgtct cataacacag aacattgcca tttgctcttg taggcctcaa 1680
atatgaaagc tattagtcac agagcctagg aaaaaagaa ttgattaatg gtccttttat 1740
tttgtaacct tataaatgct gtagatatta tcaaaaaaat tttaatttca tattgtttac 1800
atcatgcaac taatctaagc ctcaaaactc ttattggggc tataaagaaa acgtttactt 1860
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aatgcttttg aattaataat ccaaccacaa tgagctgaga gtttttcttt tgttagaaaa 2100
gaaacagaca tctttctgta tgaaagtata aattgtatgg ttttagatac ataagaattg 2160
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ggccattccg aattttgttg agagtttgtt ttataattgt ctcttttctc ttgttagtaa 2700
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```

```

ttgtaaaatt caccttgagt tttctcatct gcaaaaataga aaaaaaaaaat ccttgctccc 3300
tccttcact acctcacaag gatattgagg gtaaaggaga aaataatggg aaagtgcttg 3360
tgccgtggat gaaaagtgtt attaaaagtc aaaggagtgt tctgtttcaa ttcatagtat 3420
gatcaggga agtgtaactg agtatacttt gttgacttgg gaaacctgga gcactttctt 3480
tggttggtta acgaagcatg cagatgtgga agcagacgtt actattatcc ctactatggt 3540
cttctgtcat actgagacag gctgttttaa ttacctggtt ttacatagga aagaagaaat 3600
attaaggctt aaagtgtgta atgatcaatg gctcataatt cattaaatct tttcatacaa 3660
ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 3694

```

<210> 269

<211> 1242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1233)

<223> n equals a,t,g, or c

<400> 269

```

ccanccctca ctaaaggga caaaagctgg ngctccaccg cggtgncgac cgctctagaa 60
ctagtggatc cccggggctg caggaattcg gcaccgcaaa aaaattttaa aaatacagtg 120
ttttgtattg atatatgtac tgtgtgtgtc tgtgtgtgtg agatcaagat cagggtttga 180
ttggtgatgt actattactg ttgtccttgg tcagggacac agaggatgtt tggggtttgg 240
tggtgagaca ttatctaaca cgtgctgtgt cctttttggg tttgagcccc acaccagtg 300
gaagcatcag caccgtgaac ttgtctgaga atagcagtg tgctatcccc ccaccgact 360
acttggaatg cttatccatg ggggcagytg ccgacaggag agcagattcg gccaggacga 420
catccacctt taaggcccca gcgtccaagc ccgagaccgn ggctcctaac gatgccaacg 480
ggactgcaaa gccgcctttt ctgagcggag aaaaccctt tgccactgtg aaactccgcc 540
cgactgtgac gaatgatcgc tcggcaccga tcattcgatg agaggacagc caaggactct 600
cccgggcctc tccggttctc ccttgcggaa tgatgggcgc atcctgtctg ccacgtgctg 660

```

225

```

acgggtcggga agcttcagtg gagaggccta actctaattgt cgcttgctta agcaaatcat 720
gcttctctgt ttcacgtagt tgggttgaca agtttctgcc ttttaagataa atgagtaata 780
gtctaattgac cagctcagcc atttaaaata ttttcttcct attctgttca agaaacagta 840
aaccttggtt caatctttac tgtatttttt aaatgaattt tttccttaat aacagccaga 900
ataagggaata gtctatgctt tcaggactgg ctttctgcac ctgatatgaa tgagaccagt 960
tttattttat aaagcatgtg ctcttaatag cattatgtct aaagaagata tcacgtaagt 1020
ttgcatctta gcatgcaaat cataatttta agcaatataa attatgaaa tactatataa 1080
atgtaattta acttaaaatg ttttaagtga gagcttcag agrtgggagg aaacccccac 1140
cctccctcca accacgccag agsctgtagg agtgctaagg acgstttgcc tggcccttta 1200
tcacagccac acgtaggcac ytcgacggga atnctccctt cc 1242

```

&lt;210&gt; 270

&lt;211&gt; 2057

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2053)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2054)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 270

```

cggagcgggt tgtaattgtat tncctggattt tattttgctg tattagctcc tcaagagtta 60
ctgatctatg aaatggcaga gaatggaaaa aattgtgacc agagacgtgt agcaatgaac 120
aaggaacatc ataattgaaa tttcacagac ccctcttcag tgaatgaaaa gaagaggagg 180
gagcgggaag aaaggcagaa tattgtcctg tggagacagc cgctcattac cttgcagtat 240
ttttctctgg aaatccttgt aatcctgaag gaattggayct caaaattatg gcatcgtaa 300
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tatctgggtc cacatatagc ctcagttaca ttagctgctt atgaatgcaa ttcagttaat 540
tttcccgaac caccctatcc tgatcagatt atttgtccag atgaagaggg cactgaagga 600
accatttctt tgtggagtat catctcaaaa gttaggattg aagcctgcat gtggggatc 660
ggtacagcaa tcggagagct gcctccatat ttcattggyca gagcagctcg cctctcaggt 720
gctgaaccag atgatgaaga gtatcaggaa tttgaagaga tgctggaaca tgcagagtct 780
gcacaagact ttgcctcccg ggccaaactg gcagttcaaa aactagtaca gaaagtggga 840
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acgtgtggac actttctggt accttttttg accttctttg gtgcaaccct aattggaaaa 960
gcaataataa aaatgcataa ccagaaaatt tttgttataa taacattcag caagcacata 1020
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ccatttcagg agtacctgga ggctcaacgg cagaagcttc accacaaaag cgaaatgggc 1140

```

```

acaccacagg gagaaaactg gttgtcctgg atgtttgaaa agttggctcg tgtcatgggtg 1200
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cagcgggtga actcagagga gaaaactaaa taagtagaga aagttttaaa ctgcagaaat 1320
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cactgacata ctttttcctt ctgtgctaag gtaagggtatc caccctcgat gcaatccacc 1500
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tgtttgttac ttcaaaaagg cccacatgat acaattagag aattcccacc gcacaaaaaa 1620
agttcctaag tatgttaa atgtcaagct ttttaggctt gtcacaaatg attgctttgt 1680
tttcctaagt catcaaaatg tatataaatt atctagattg gataacagtc ttgcatgttt 1740
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ggccatttta tgatgcattg cacaccctct ggggaaattg atcttttaaat ttgagacag 1860
tataaggaaa atctggttggt tgtcttacia gtgagctgac accatttttt attctgtgta 1920
tttagaatga agtcttgaaa aaaactttat aaagacatct ttaatcattc caaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaggaaaa 2040
aaaaaaaaaa aannaaa 2057

```

<210> 271

<211> 960

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (956)

<223> n equals a,t,g, or c

<400> 271

```

aagnatagaa attaaccctc acgtaaaggg nacaaaagct ggagctccac cgcgggtgcgg 60
ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgagct cttccacccc 120
tgccaggccc agcagccacc acagcgctgt cttcctcggc cctgaaatca tgcccctagg 180
tctcctgtgg ctgggacctg ccctgttggg ggctctgcat gccagggccc aggactccac 240
ctcagacctg atcccagccc cacctctgag caaggctcct ctgcagcaga acttccagga 300
caaccaattc caggggaagt ggtatgtggt aggcctggca gggaatgcaa ttctcagaga 360
agacaaaagac ccgcaaaaaga tgtatgccac catctatgag ctgaaagaag acaagagcta 420
caatgtcacc tccgtcctgt ttaggaaaaa gaagtgtgac tactggatca ggacttttgt 480

```

```
tccaggttgc cagcccggcg agttcacgct gggcaacatt aagagttacc ctggattaac 540
gagttacctc gtccgagtgg tgagcaccaa ctacaaccag catgctatgg tgttcttcaa 600
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ccacatcgtc ttccctgtcc caatcgacca gtgtatcgac ggctgagtgc acagggtgcc 780
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acccatgcag ctgctcccca gggcaccgcc ctgatggagc cccaccttgt ctgctaaata 900
aacatgtgcc ctcaggaaaa aaaaaaaaaa aaaaaaaaaa aagggggggg ncccgntccc 960
```

<210> 272

<211> 1167

<212> DNA

<213> Homo sapiens

<400> 272

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cggcggcggg aaatcggctg tgggagagag gctaggcctc tgaggaggcg aatccggcgg 120
gtatcagagc catcagaacc gccaccatga cgggtgggcaa gagcagcaag atgtgcgagc 180
atattgatta caggatgagg tgcatcctgc aggacggccg gatcttcatt ggcaccttca 240
aggcttttga caagcacatg aatttgatcc tctgtgactg tgatgagttc agaaagatca 300
agccaaagaa ctccaaacaa gcagaaaggg aagagaagcg agtcctcggg ctggtgctgc 360
tgcgagggga gaatctggtc tcaatgacag tagagggacc tcctcccaa gatactggta 420
ttgctcgagt tccacttget ggagctgccg ggggccagg gatcggcagg gctgctggca 480
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<210> 273

<211> 2771

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>  
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<222> (42)  
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<220>  
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<222> (64)  
<223> n equals a,t,g, or c

<220>  
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<222> (2715)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2717)  
<223> n equals a,t,g, or c

<400> 273  
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taagccgaat t 2771

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<210> 274

<211> 1889

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1676)

<223> n equals a,t,g, or c

<400> 274

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ggaacctgtt aaaccccaa cagttcctaa tgactatatg accagtcctg ctaggcttg 300  
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aagtagtgga ggaagtggaa gtcgagaaaa cagtggtagc agtagtattg gcattcccat 420  
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cattataaac tttttccatt cataaataca taagtgaacc aaaggttttt gtcttttcct 1800  
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aaaaaaaaaa aaaaaataaa aaaaaataaa 1889

&lt;210&gt; 275

&lt;211&gt; 604

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 275

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aaag 604

&lt;210&gt; 276

&lt;211&gt; 1381

<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (1350)  
<223> n equals a,t,g, or c

<220>  
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<222> (1358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1359)  
<223> n equals a,t,g, or c

<400> 276  
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c 1381

<210> 277

<211> 1149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (680)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1088)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1098)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (1140)

<223> n equals a,t,g, or c

<400> 277

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atgtcaaaaag gactgatga agatattttc tctggagtct cttctttct aaccggctc 180  
tcccgatgtg aaccgagccg tcgtccgccc gccgccgccg ccgccgccgc cgccgccgc 240  
cccgagcccc accatgtctc gccgcaagca aggcaaacc cagcacttaa gcaaacggga 300  
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attgggggac attcttattt ttatcgagca caaacggaaa caatgcaatg gcagcctctg 480  
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caatcccgtg gaggttgga tccaggtcac gccagaggat gacgattgtt tatcaacgtc 600  
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<210> 278

&lt;211&gt; 811

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 278

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ccggtcascc ctggcaatcc caccaaatca tcctgaatct gatcttttta tacacaatat 780
acgaaaagcc agcttgaaaa aaaaaaaaaa a                                     811
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&lt;210&gt; 279

&lt;211&gt; 1260

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1249)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1252)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 279

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ccacttttyt tgacagtcca gcccacctcc tcttctgccc ggagaagctc cagggggtgc 180
ctttktgatc acagcatctt cacaaggacc aaaggaaaat aagatttcty gtaagaacac 240
cgtgaccaca tctttaaata gacccatttc gtggctycca caagatttac acctycacac 300
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gatggcgccc ctactaaagc cttgggggta gtacgcgtcg cagcagctct ttccgacagt 480
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaant tngggggggg 1260

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&lt;210&gt; 280

&lt;211&gt; 1668

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 280

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ttgattgtsa cagcaagatc aaataacaaa acgaagcata ttgaagaaga gaacttgatt 180
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agtgcctttg ttagatggaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1668

```

&lt;210&gt; 281

&lt;211&gt; 2328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 281

```

ggaaagtggg tgtgtggcat ggtgtcctat ttgaacgacc tgcccagtca gcgcatccag 60
ccacagcagg tagcagtctg gccaacatg gtggatatca acagccccga aagcctaacc 120
gaagcatata aactccgtgc agccagatta gtgaaattg ctgcaaaaaa ctttcaaaaa 180

```

```

gaagtgattc acagaaaaag caaggaggta gcttgggaacc taacttctgt tgaccttgtt 240
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&lt;210&gt; 282

&lt;211&gt; 956

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 282

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<210> 283

<211> 1402

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1394)

<223> n equals a,t,g, or c

<400> 283

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atttcaatgg tgggggttaat atagcatgtt atcctgtcta tcttttaaag atttctgtat 240
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atgtactgcg tttttcattc ttgkatttga ctatttaatc ctttctactt gtcgctaaat 1320
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gggttaaaaa ttgnaaaagg gg 1402
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<210> 284

<211> 675

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<400> 284

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ggctcagggc aaatt 675
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<210> 285

<211> 1339

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1331)

<223> n equals a,t,g, or c

<400> 285

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ggctccgact ttcttggct actccatgca gggactctgc aagtttggct ttatgaagt 420
ctttaagtc ttgtatagca atatgcttgg agaggagaat acttatctct gccgcacatc 480
actatatattg gctgcctctg ccagtgtgta attctttgct gacattgccc tggctcctat 540
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aaggaaactt tatatatatt acagtgtagg aaattgtcta ttctgatata aattactgta 1200
gtactcttgc ttaaggcaag agtttcagat ttactgttga aataaaccca actcttcag 1260
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1320
aaaaaaaaa naaaaaaaaa 1339
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<210> 286  
<211> 1398  
<212> DNA  
<213> Homo sapiens

<400> 286  
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ggcaagtgga caccacaaag gcagtgatca ctttgagcc tccatgggtc agcgtgttcc 180  
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ccagtgtcaa tgacagtggg gaatacaggt gccagagagg tctctcaggg cgaagtgacc 360  
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<210> 287  
<211> 926  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (896)  
<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (917)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 287

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&lt;210&gt; 288

&lt;211&gt; 3094

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 288

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&lt;210&gt; 289

&lt;211&gt; 1983

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 289

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ttcactgagg ctcaactggg agggcccacc gggggccttc gactccttcc tgctccgctt 120
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ctaccagctg gcggacggag gggagcctca gagtgtgcag gtggatggcc agggccggac 480
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gaatcctgtr gacacctatg acrtccaggt cacagcccct ggggccccgc ctctgcaggc 720
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ggtccttcac caccagccg ctggaggaa ccttctctgc cagcgatctc gcagactgt 1920
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gga
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<210> 290

<211> 1298

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1285)

<223> n equals a,t,g, or c

&lt;400&gt; 290

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cccacagatg gtgcatcccc tggcagaggc tcctgctcac agcctcactt ctaaccttct 180
ggaacccgcc caccactgcc aagctcacta ttgaatccac gccgttcaat gtcgcagagg 240
ggaaggaggt gcttctactt gtccacaatc tgccccagca tctttttggc tacagtgggt 300
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aagctacccc agggcccgca tacagtgggt gagagataat atacccaat gcatccctgc 420
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atcttgtgaa tgaagaagca actggccagt tccgggtata cccggagctg cccaagccct 540
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cagtcatcct gaatgtcctc tatggcccg atgccccac catttcccct ctaaacacat 840
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angaccctat gaatgtggaa tccanaacaa attaagtg 1298

```

&lt;210&gt; 291

&lt;211&gt; 2459

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1604)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1605)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

<221> misc feature  
<222> (2374)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2392)  
<223> n equals a,t,g, or c

<400> 291  
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cagccccctc ctgcagattg catgtcccct ggaaggaggt cctgctcaca gcctcacttc 180  
taaccttctg gaaccacccc accactgcc agetcactat tgaatccacg ccrttcaatg 240  
tcgcagaggg gaaggagggt cttctactcg cccacaacct gccccagaat cgtattgggt 300  
acagctggta caaaggcgaa agagtggatg gcaacagtct aattgtagga tatgtaatag 360  
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yatccctgct gatccagaac gtcaccaga atgacacag attctatacc ctacaagtca 480  
taaagtcaga tcttgtgaat gaagaagcaa ccggacagtt ccatgtatac ccggagctgc 540  
ccaagccctc catctccarc aacaactcca acccgtgga ggrcaaggat gctgtrgcct 600  
tcacctgtga acctgagggt cagaacacaa cctacctgtg gtgggtaaat ggtcagagcc 660  
tcccggtcag tcccaggctg cagctgtcca atggcaacat gaccctcact ctactcagcg 720  
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acactggcct caataggacc acagtccagc cgatcacagt ctatgcagag ccacccaaac 1080  
ccttcatcac cagcaacaac tccaaccccg tggaggatga ggatgctgta gccttaacct 1140  
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<210> 292  
 <211> 570  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (567)  
 <223> n equals a,t,g, or c

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<400> 292
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ctggacctcc aaggaagcca cgtgcagaca tctacaacct tcgatctcct gacgagttta 180
ttgttgGCCa aaaccaggct ttgattgaac caggatgaat gcgggtgttg gaagtagaat 240
atatatatac atataaaatt ggttgggagc cacgtgtacc agtgtgtgtt gatcttggct 300
tgattcagtc tgccttgtaa cagaaactgg cgatggaata tgagaggagc cctctggaaa 360
gaaaaggaca gacctgtgc tttcatgaaa gtgaagatct ggctgaacca gttccacaag 420
gttactgtat acatagcctg agtttaaaag gctgtgcccc cttcaagaat gtcattgtta 480
gactttgaaa tttctaactg cctacctgca taaagaaaat aaaatctttt aaatcaaaaa 540
aaaaaaaaaa raagggggcc gctctanagg                               570
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<210> 293  
 <211> 2468  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (2076)  
 <223> n equals a,t,g, or c

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cccagaactt cagaacccag agaagctgtc agctatcttc cgggactttc tgaaccgtg 600
tctcgagatg gatgtggaga agagaggttc agctaaagag ctgctacagc atcaattcct 660
gaagattgcc aagcccctct ccagcctcac tccactgatt gctgcagcta aggaggcaac 720
aaagaacaat cactaaaacc acactcacc cagcctcatt gtgccaagcc ttctgtgaga 780
taaattgcaca ttccagaaat tccaactcct gatgccctct tctccttgcc ttgcttctcc 840
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aagagaactg caactgaatg actaatcaga tgatggccat ttctaaataa ggaatttcct 960
cccaattcat ggatatgagg gtggtttatg attaaggggt tatataaata aatgttttcta 1020
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```

gtcttcctg tgtcaaaatc ctcacctcct tcataaccat ctcccacaat taattcttga 1080
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taaaaaaa
2468

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&lt;210&gt; 294

&lt;211&gt; 1080

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1038)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 294

```

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caggccagca gacagtgggt tttgctggac acagtgggga tgtgatgtcc ctgtccctgg 180
ccccgatgg ccgcacgttt gtgtcaggcg cctgtgatgc ctctatcaag ctgtgggacg 240
tgcgggattc catgtgccga cagaccttca tcggccatga atccgacatc aatgcagtgg 300
ctttcttccc caacggctac gccttcacca ccggctctga cgacgccacg tgccgcctct 360
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ccccactgtg gagataagaa ggggatggaa tgggggaaga ggaggagcag gaggccctca 840

```

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tccttctgct gccctgggggt tggggcctca cccctctgga gggccggagg caggaggtgg 900
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tttttccata aaggagccaa ttccaactct gwaaaaaaaa aaaaaaaaaa acttcgrggg 1020
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<210> 295

<211> 2695

<212> DNA

<213> Homo sapiens

<400> 295

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tccatatata cagaaattag acaaataata agtcttttagt tcaacttaag catatctcaa 180
atgacttctc taaattttaa gttgatcatg ataggatcat aaaagacaga aaagacttaa 240
gtaatcttgt aatgacaatt atttccattt ttgctgaact aaaaatattt aacttcataa 300
atatgttact acagcttcca gatttaaga aaaaaagttt cccccactct caattaaaag 360
ttagaaccct ccacttttaa aattatacaa atatttcttt ttacattac acagaagcct 420
tctgtaccat ttacgaatt tctgtcttca taatataagt gaaaatactg tcatttcaat 480
tttctgcttt aaattgtttt taataagcat yccaaagtga tacagactta agcttttaat 540
caatcagtc ttcagttgat agacaaagt agcgatgctt tatgctagga aacttggtga 600
cagtaacctg tgcgacttta tgcagaagac aaatgctagt aattattatg cacagaggaa 660
aaatcatttt aagtatgtgg taaagcagct tcacttttca aaattgattt gctctggttt 720
ttcttttagt cattagattc cagaatgtcc ttttactggg aatttagtta tgtattaaga 780
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catttttagt caacacctat gtttataaaa atttgaaaac attacatatt gtatttaaaa 1500
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aatctcaaaa ctcataataa aggaactttc agagattggg tgaaaccag tggatccct 1620
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tatctttttg aagagattta tattctgtaa ataaaaattc gttgtaacaa taaagttgag 2580
ttctaactac aaaaaaaaaa aagtcgacac cgccgggaat ttaggtgtag tagtcccccg 2640
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<210> 296

<211> 1394

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1238)

<223> n equals a,t,g, or c

<400> 296

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ggacaagttc attgaagact atctcttgcc agacacgtgt ttccgcatgc aaatcaacca 180
tgccattgac atcatctgtg gggtcctgaa ggaaagggtgc ttccgaggta gctcctaccc 240
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acaccaaaaa aaaa      1394
```

<210> 297

<211> 998

<212> DNA

<213> Homo sapiens

<400> 297

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acattccttg tgacgactgc gcatgctcgg aaaggggacg caatcragat cccaaacgcg 180
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 998

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&lt;210&gt; 298

&lt;211&gt; 1666

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 298

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ttaggtctcc aggaagcta acagccaggg agaggatcag tctcttgctg gaccctggca 120
gctttkktga gagcgacatg tttgtggaac acagatgtgc agattttgga atggctgctg 180
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&lt;210&gt; 299

<211> 2444  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<400> 299  
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<210> 300

<211> 1026

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1026)

<223> n equals a,t,g, or c

<400> 300

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aaaaan 1026
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<210> 301

<211> 830

<212> DNA

<213> Homo sapiens

<400> 301

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agcccagcct gttgcatgtt ccctctcagc agacaagttc caggtcctcc tggcagaact 480
gaagcaggcc cagaccctga tgagctccct gggctgagga gaagggtgtt ccaggcctgt 540
```

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gtggagccgc cctgcccgtg tggagtcacg ccctctgaac tgctcttcgg gaggcagccc 600
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acttctctct tgagaacttg gctcagggtc cctgaggacc tttcccagca ttaccttccc 720
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<210> 302

<211> 3300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3280)

<223> n equals a,t,g, or c

<400> 302

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cctgatgggc gcggaggtag ccagcggcgg ctgcatgaag accggactct ggaagagcga 180
aactaccgtc taaggtgggg cgggcgacgc ggtagacggg ctggccacgc ggctcgttcc 240
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<210> 303

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 303

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aaggtgaaga tgtgtgggca catgttatgg cagattgaaa aggatctcat tccatgggaa 360
aaaaaaaaat cctgtcttgt tcataaattg acaatgtcaa taaattgaaa tatgggttcac 420
tgttaaaaaa aaaaaaaaaa aaangggggg nccnttttaa agaatccaan ttac 475
```

<210> 304

<211> 2902

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2888)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2891)

<223> n equals a,t,g, or c

<400> 304

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aaacgcagta ccatggtcgg aacgccatac tggatggcac cagagktggt tacacggaaa 180
gcttatggcc ctaaagtcga catatggtct ctgggtatca tggctattga gatggtagaa 240
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cgatgtttgg aaatggatgt ggaaaaaagg ggttcagcca aagaattatt acagcatcct 420
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acaagaagcc ttttagtata tgaaaattat tactcttttt ggggttttaa gaaatggtct 600
gcataacctg aatgaaagaa gcaaatgact attctctgaa gacaaccaag agaaaattgc 660
aaaaagacaa gtatgacttt tatatgaacc cttctcttag ggtccagaag gaattgtgga 720
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agttcagaac ttgacctgaa ggaagggaag aaaagtatgt gatttttacc ttttttaaca 1140
```

```

aatgtgaaaa agtcagtttt agaaatttcg tggtagtaag ttcggcattt gttacatgta 1200
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gccactacct tcttccctcc tttccccctt caatttggaa ataaatttct gtatatgttg 1440
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acccctccc atggcaaata atataataac cagtgaattt tcaggaattt aaaaattagc 1560
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tctctggaat atattggcct tctacagcta ttactgaatt atagaaactg gtttatttct 2460
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gtttgggatt tgtagttgag acttcttcga tagttacctg cacgtccatt gctggcaact 2760
gacttgtcat taaaacctgg ctctttggtt aaggagagta cgctgtggtt tattcttaag 2820
ttacgtggat aaactaacct ctaacagaaa tatactttgg ttaattttga aaaaaaaaaa 2880
aaaaaacnag ngggggggcc cg 2902

```

&lt;210&gt; 305

&lt;211&gt; 1553

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 305

```

ggcgacgcgg tatttgaatc ctggaacaar gctacagcgt cgaagatccc cagcgtgcg 60
ggctcggaga gcagtcctaa cggcgctcgc tacgctagtg tctcccttt tcagtccgcg 120
tccctccctg ggccgggctg gcaactctgc ctccctctc cctcatggcg ctgctccgac 180
gcccgacggg gtccagtgat ttggagaata ttgacacagg agttaattct aaagttaaga 240
gtcatgtgac tattaggcga actgttttag aagaaattgg aaatagagtt acaaccagag 300
cagcacaagt agctaagaaa gctcagaaca ccaaagttcc agttcaaccc accaaaacaa 360
caaagtcaa caaacaactg aaacctactg cttctgtcaa accagtacag atggaaaagt 420
tggctccaaa gggtccttct cccacacctg aggatgtctc catgaaggaa gagaatctct 480
gccaagcttt ttctgatgcc ttgctctgca aaatcgagga cattgataac gaagattggg 540
agaacctca gctctgcagt gactacgtta aggatatcta tcagtatctc aggcagctgg 600
aggttttgca gtccataaac ccacatttct tagatggaag agatataaat ggacgcatgc 660
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ctctgtacat gtgcgttggc attatggatc gatttttaca gggtcagcca gtttcccgga 780
agaagcttca attagttggg attactgctc tgctcttggc ttccaagtat gaggagatgt 840

```

```

tttctccaaa tattgaagac tttgtttaca tcacagacaa tgcttatacc agttcccaaa 900
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cactacactt cttaaggcga gcatcaaaag ccggggaggt tgatgttgaa cagcacactt 1020
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ctaaggtagc agcagctgct tcctgcttgt ctccagaaggt tctaggacaa ggaaaatgga 1140
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cctctggtct atctcatgaa acctcttctc agaccagttt tctaaacata tattgaggaa 1500
aaataaagcg attggttttt cttaaggtaa aaaaaaaaaa aaaaaaactc gag 1553

```

<210> 306

<211> 1987

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (731)

<223> n equals a,t,g, or c

<400> 306

```

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agtagagcct ctgttcctac tgactatagc tacttgccctg aaagcagttt tattggagca 120
gctattggct tcttcattac aggaggaaaa aaaggtcctg aatctgtgcc tccttcctct 180
cttaaagtag tgatgaaacc catagcaact gttggagaaa gctaccaata tcctcctgtg 240
aactgggctg cacttctctc tccacttatg aggtctaaatt ttggtgaaga gatccagcaa 300
ctgtgccttg aaattatggt gaccaggca cagtcatccc agaatgcagc tgcactattg 360
ggcttgtggg tgacaccacc actgatccac agtctgagtc tgaataccaa gagatatctc 420
ctgatattctg cacctctgtg gataaaacac atctctgatg aacagatcct ggggtttgtt 480
gaaaatttaa tgggtggcagt ttttaaagca gcttccccac ttggaagtcc tgagctatgc 540
ccaagtgtct tacacggtct gagccaggcc atgaaactgc ccagccctgc ccaccacctc 600
tggagctctg tctctgaagc tactgggaaa atttttgacc tcctgccaaa taagattctg 660
agaaaggatc tagagctgta tatcagcata gcaaaatgcc tcttagaaat gacagatgat 720
gatgccaatc nggatcgccc aggttactaa gagcaacata gaaaaagctg cctttgtcaa 780
actgtactta gtctctcaag gacgattccc cttggtgaac ctgaaccgat atgctgagcg 840
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aactgatggg ttatattaga aatgttgctt accagtcaac atcctttcac aatacggctc 1020
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agtaaccagc agcattctca gctggatgag gaaaaccata taagtgaag aagtttttca 1500
gaattcatgc ctggtattgc tgagacatga tgacagagat taagggtcat gaaaagatgg 1560
ccacatcact gacagcttga cacatgcctc ctaagagagg agtgcatgac tttagtacct 1620

```

```

gggccagtgt agactgaaac aggaacttgg attttcttta ttggccttga gttcaatgtg 1680
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aatgttgtca attttgtgcg tgtgactttt gttttaaggc atgggggaag gtgccagaac 1800
cacttggtga caatggcatt atgatctatt ttccatgaat ctccatgagg atattcattg 1860
actcagttag ttagacaaat ttccttattg ataaaacact ctcttggaac tgctatacac 1920
atttaaataa taagcataac attgaatatt agctaaatca gattcattaa tgggtgtctat 1980
catttcc                                           1987

```

&lt;210&gt; 307

&lt;211&gt; 785

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 307

```

gcgcgacccg ccccggtcccg tccagtctgg cctggggcgcc gcgggaacgc tgtcctggct 60
gccgccaccc gaacagcctg tccctgggtgcc ccggctccct gcccgcgcgc cagtcattgac 120
cctgcgcccc tcaactcctcc cgtcccatct gctgctgctg ctgctgctca gtgcggcggt 180
gtgccggggt gaggtctggg tcgaaaccga aagtcccgct cggaccctcc aagtggagac 240
cctgggtggag cccccagaac catgtgccga gcccgctgct ttgggagaca cgcttcacat 300
acactacacg ggaagcttgg tagatggacg tattattgac acctccctga ccagagaccc 360
tctggttata gaacttggtcc aaaagcagggt gattccagggt ctggagcaga gtcttctcga 420
catgtgtgtg ggagagaagc gaaggccaat cattccttct cacttggcct atggaaaacg 480
gggatttcca ccatctgtcc cagcggatgc agtgggtgcag tatgacgtgg agctgattgc 540
actaatccga gccaaactact ggctaaagct ggtgaagggc attttgcctc tggtagggat 600
ggccatggtg ccagccctcc tgggcctcat tgggtatcac ctatacagaa aggccaatag 660
acccaaagtc tccaaaaaga agctcaagga agagaaacga aacaagagca aaaagaaata 720
ataaataata aatttttaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaa                                           785

```

&lt;210&gt; 308

&lt;211&gt; 2178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 308

```

ggcagaggrc gggaagaccg agtggctctt tggcatggat gagggccgga aacagctggc 60
ggccagtgtc ggcttcagga ggttgattac agtggccctt caccgaggtc agcagtatga 120
aagcatggac cacatccaag ctgagctgtc rgctagagtc atggagctgg cccagctgg 180
gatgccacc cagcagcagg tcccccttct gtctgtgggt ggggacattg ggggtccggac 240
cgttcagcac caagactgca gccccttgag cgggtgactat gtcattgagg atgtgcaagg 300
ggatgacaag cgatacttcc gtcgactgat ctccctcagc aacaggaatg tgggtgcagtc 360
cgaagccagg ttgctgaagg atgtgtctca caaagccag aagaagcgga aaaaggacag 420
gaagaagcag cggcctgctg atgcggagga cctccctgca gcccgggggc agtccattga 480
taagagttac ctgtgttgtg aacaccacaa agccatgatc gctggccttg ccctgctgag 540
aaaccagag ctactcctag agatcccact ggcattgttg gtggtaggcc tgggcggggg 600
cagcctcccc ctctttgtcc acgatcattt tccaaagtcc tgcattgatg ctgtggagat 660
cgatccctcc atgttggaag tggccaccca gtggtttggc ttctcccaga gtgaccgaat 720
gaagggtccac attgcagatg gcctggacta tatcgccagc ttggcaggag gaggagaagc 780
acggccttgc tacgatgtca taatgtttga tgttgacagt aaggacccaa cactgggaat 840
gagttgtccg cccccagcat ttgtggagca atcttttcta cagaaggta aaagcatctt 900
gactcctgaa ggtgttttta ttctcaacct tgtgtgccga gacttggggc taaaagactc 960

```

```

agtgtgtggt ggggtcaagg cagtgttccc cctcctatat gtccggcgaa ttgaggggtga 1020
agtgaatgag atcctgttct gtcagctgca cctgagcaa aaacttgcca caccagagct 1080
cctagaaaca gcccaggctt tggagcggac cctgaggaag cctgggaggg gttgggatga 1140
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aactcaagac atccaaattt tattgcgtct ctacttatac tggtttgctt ttgatttatt 1560
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gataaaggat acttaagccc aaactatata taaacccaaa tctcacttgg ctggaaacat 2100
caatcttaac catttattca gaaccattaa accaatgatt ccaaaaaaaa aaaaaaaaaa 2160
aaaaaaaaaa aactcgta                                     2178

```

&lt;210&gt; 309

&lt;211&gt; 875

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 309

```

caagctcctg tggccacctg tgtcccagca gcagtgagt gagctgctca ggggtgccctc 60
tcctgctggc cagtctctga atgttcaaa atgagggcct ggcttccgtg ctctggcttt 120
gtaacttata tgggaaggaa agcacatgcc ttacaggga gggatgttc cttttcttct 180
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ccttctctcc tccaaatcag tctcttccct tctccactag ataactgtaa aaccttttcc 360
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gtttatcact gttgggtgga gtcacgtccc ttccctccac cgaagtcac aaccagatag 480
ggaaggga aa gatgaggccc agaaaacgag ttcaaactct aggtcttgta cacgtatgta 540
agtaaatgtc aataacccaa gcctttgtca tagcagtcac ttggttgact taggatctgg 600
gtctgttgaa ttttgtgctt gggaatggag ctggaggag tggggcctgt gtacagcagc 660
tacctctccc aggtcctctc acttgctgc cccgcgtcct ggttgcatgg ccgcacctgt 720
gtgtgtgcag aggtctgtgt cccatcctct gcacctcct tccgggggcc tggggagccc 780
cacgtgttgc caagatcttg gtgcaataaa atactccggt tttgtgaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa                                     875

```

&lt;210&gt; 310

&lt;211&gt; 756

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

<222> (613)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (684)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (756)

<223> n equals a,t,g, or c

<400> 310

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cacgcgtccg ggcccgtggc gccgacagga tgggcaagtg tcgtggactt cgtactgcta 120
ggaagctccg tagtcaccga cgagaccaga agtggcatga taaacagtat aagaaagctc 180
atttgggcac agccctaaag gccaacctt ttggaggtgc ttctcatgca aaaggaatcg 240
tgctggaaaa agtaggagtt gaagccaaac agccaaattc tgccattagg aagtgtgtaa 300
gggtccagct gatcaagaat ggcaagaaaa tcacagcctt tgtaccaat gacggttgct 360
tgaactttat tgaggaaaaat gatgaagtgc tggttgctgg atttggtcgc aaagggtcatg 420
ctgttggtga tattcctgga gtccgcttta aggttggtcaa agtagccaat gtttctcttt 480
tgcccttata caaaggcaag aaggaaagac caagatcata aatattaatg gtgaaaacac 540
tgtagtaata aattttcata tgccaaaaaa aaaaaaaaaa aaaaaaaagg gsgggcscyc 600
taaaagatcc tcnaagggcc aagcttacgc tgcattgcnac tctactctct cctatatgaa 660
tctattataa ctagcctggc ctcnttacac tctgatggaa ttctactgga ttttaagact 720
atcttggtat atgacactct caaataacca gtattn 756
```

<210> 311

<211> 851

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (834)

<223> n equals a,t,g, or c

<400> 311

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ccaggagcac agctgtgatg aacagtactt gtgtcagttc tgtgaacatg aaactaatga 120
tccagaagac ttgcatagcc atgtggtaaa tgagcatgca tgtaaattaa tagagttaaag 180
tgataagtat aacaatggtg aacatggaca gtatagcctc ttaagcaaaa ttacctttga 240
caaatgtaaa aacttctttg tatgtcaagt atgtggtttt cggagtagac ttcacacaaa 300
tgtaaacagg catgttgcta ttgaacatac aaaaattttt cctcatgttt gtgatgactg 360
tgggaaaggc ttttcaagta tgctagaata ttgcaagcat ttaaattcac atttatctga 420
```

```
agggatattat ttatgtcaat attgtgaata ttcaacagga caaattgaag atcttaaaat 480
tcatctagat ttcaagcatt cagctgactt gcctcataaa tgtagtgact gcttgatgag 540
gtttggaaat gaaagggaaat taataagtca ccttccagtc catgagacaa cttgattatt 600
ctctttaact tacagaatgt tagtttaaaa taataaatc atcctttttt tggagatgat 660
taaattggatg attgtaaaca caacttatga aatctgcctt taacaagtaa cttttttaaa 720
ttataaaatt ttattggcat tgctccattt tctgtatata aatataatctt taatgtggta 780
ttttcaaaaa aaaaaaaaaa aaaaaaatcc acgcggccgc gaattcccgc gtcnaacaag 840
ctcactaatc c 851
```

<210> 312

<211> 1335

<212> DNA

<213> Homo sapiens

<400> 312

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gaacctagcc agcaaaggag cggcggaggt cctcctcgtc gtcgctgctc tctagctcct 120
cctcctcttc atcatcgctc tcgctgctct cctcctcctc tggctccagt tctagtact 180
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aaaaaaaaaa aaaaaa 1335
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<210> 313

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<400> 313

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```

ctgagggagg cgcgagggcg cggagttcca ggtcgagcag ttaggccgcg agcgactgcg 120
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<210> 314

<211> 1833

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1761)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1766)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1792)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1806)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1827)

<223> n equals a,t,g, or c

<400> 314

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```

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atatggtccc tgccgtagag aaatggaaga cactgaat cacctgaagt tcctcaatgt 420
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gcagtgtcgc ccttccaaag gcaggaagcg gggcttctgc tgggtgtgtg ataagtatgg 540
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&lt;210&gt; 315

&lt;211&gt; 1354

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 315

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1354

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<210> 316

<211> 2421

<212> DNA

<213> Homo sapiens

<400> 316

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aaagatgagc ttgatgaact caaagaggcc ttgcaaaaag ttgatctcaa cagcaacgga 180
ttcatttgtg actatgaact tcatgagctc ttcaagggaag ctaatatgcc attaccagga 240
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aaaataagtt ttgacgaatt tgtttatatt ttcaagagg taaaaagtag tgatattgcc 360
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aactggataa acaaagcttt ggaaaatgat cctgattgta gacatgttat accaatgrac 540
cctaaccaccg atgacctgtt caaagctgtt ggtgatggaa ttgtgctttg taaaatgatt 600
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tgctttccat ccagtatgct a

2421

<210> 317

<211> 1092

<212> DNA

<213> Homo sapiens

<400> 317

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attgagactc ttccacatgt acaatctcat catcctgaag cctataatga agaaaaagat 420
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agacaagcca tgcatacaac tttggtcatg tatctctgca aagcatcaaa ttaaatgcac 1020
gcttttgtca tgtcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa ac 1092
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<210> 318

<211> 1380

<212> DNA

<213> Homo sapiens

<400> 318

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tataagtttc cagttgtcat cacaagaagc agtaatgttt atggaccaca tcaatatcca 180
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tcagttgtcc agcttgccaa agaactaata caactgatca aagagacca ttcagagtct 420
gaaatggaaa attgggttga ttatgttaat gatagacca ccaatgacat gagataccca 480
atgaagtcag aaaaaataca tggcttagga tggagaccta aagtgccttg gaaagaagga 540
ataaagaaaa caattgaatg gtacagagag aattttcaca actggaagaa tgtgaaaaag 600
gcattagaac ctttccggt ataatcacca tttatatagt cgagacagtt gtcaaaagaa 660
aaagttatcc tacctcgcca agtggatga aattaagtga ccaaatgaag tgactcttt 720
tcttttgga ttagattcat gactttctgt ataaaattcaaatgcagaat gcctcaatct 780
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gctgtagaaa aataaaaaaa aatttgatta taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380

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&lt;210&gt; 319

&lt;211&gt; 2612

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 319

```

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ttgtgagccc tgggcttagg agtcaccatg gcaactgaag agttcatcat ccgcatcccc 120
ccataccact atatccatgt gctggaccag aacagcaacg tgtcccgtgt ggaggtcggg 180
ccaaagacct acatccggca ggacaatgag aggggtactgt ttgcccccat gcgcatgggtg 240
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<210> 320

<211> 943

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 320

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gcaaatgtgt caatggaata aaatccacac tttagattct tgcaactgta tcatatgtaa 660
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ggtaagggat tcagataagc cagaagcagg gtgattttwa gttggaattg taaactttag 780
tcagcccccac cacgctgctg gggaatgtgg atgttctagc tctgagatgt taactgrgaa 840
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<210> 321

<211> 2959

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2948)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2956)

<223> n equals a,t,g, or c

<400> 321

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tgctgggtgt ttccacagat gccgggtttc actttgctgg agatgggaaa cttggtggca 180
ttgttttacc aaatgatgga caatgtcacc tggaaaataa tatgtacaca atgagccatt 240
attatgatta tccttctatt gctcaccttg tccagaaaact gagtgaaaat aatattcaga 300
caatttttgc agttactgaa gaatttcagc ctgttttaca ggagctgaaa aacttgatcc 360
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atgcatacaa ttccctttcc tcagaagtca ttttgaaaaa cggcaaattg tcagaaggmg 480
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gaggaaanaa aaaaaanaa 2959
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<210> 322

<211> 802

<212> DNA

<213> Homo sapiens

<400> 322

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acgctcttca gcaccacccc gggaggtacc aggatcatct atgaccggaa attcctgatg 240
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gtcaccagcc cttccagtga tgagccccc atggaagcca gccagagcca cctgcgcaat 360
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accagccagg ctttatgaaa gtgatcatac tgggcaggcg ttggcgtggg gtcggacacc 540
ccagcccttt ctccctcact cagggcacct gcccctcctt cttcgtgaac accagcagat 600
acctccttgt gcctccactg atgcaggagc tgccacccca aggggagtga cccctgccag 660
cacaccctcg cwgcyygggg sgcaaccacc ccttccttag gttgatgtgc ttgggaaagc 720
tccttcccc tccttcccc aagagaggaaa taaaagccmc cttcgcccta gggccaaraa 780
aaaaaaaaa aaaaaaaaaa aa 802
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<210> 323

<211> 1724

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1650)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1701)

<223> n equals a,t,g, or c

<400> 323

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gtcgcgctct ccccgctcca agcgcgcatc tgggcacccg ccaccagcat ggacgctcgc 120
cgcgtgccgc agaaagatct cagagtaaag aagaacttaa agaaattcag atatgtgaag 180
ttgatttcca tggaacctc gtcacacctc gatgacagtt gtgacagctt tgcttctgat 240
```



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aattttgcaa acacgaggct gcagtcagtt cgggaaggct gtaggacccg cagccagtgc 300
aggcactctg gacctctcag ggtggcgatg aagtttccag cgcgagtag caggggagca 360
accaacaaaa aagcagagtc ccgccagccc tcagagaatt ctgtgactga ttccaactcc 420
gattcagaag atgaaagtgg aatgaatttt ttggagaaaa gggctttaa tataaagcaa 480
aacaagcaaa tgcttgcaaa actcatgtct gaattagaaa gcttccctgg ctcgttccgt 540
ggaagacatc ccctcccagg ctccgactca caatcaagga gaccgcgaag gcgtacattc 600
ccgggtgttg cttccaggag aaaccctgaa cggagagctc gtcctcttac caggtcaagg 660
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tacatgttgg tgagaaagag gaagaccgtg gatggctaca tgaatgaaga tgacctgccc 780
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tgaatttctt ttaaattaca gttttatgaa agcatatttt atttacttgg tgttgaaata 1560
gccctyataa aacctaaagc cttggaaacn caataatagt attaactaac tagatctatt 1620
gaatttcaga gaagagccta aatagcaaan ttacacaaa aacgagtatg atttagcact 1680
catactagtt gagggtttgg ngccgatagc gactgctaag gaac 1724

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<210> 324

<211> 2261

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1098)

<223> n equals a,t,g, or c

<400> 324

```

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gaatgcgttg aggaagcata aagacttggt gggtaaaaga tacattgaac tcttcaggag 120
cacagcagct gaagttcagc aggtgctgaa tcgattctcc tcggcccctc tcattccact 180
tccaaccctt cccattattc cagtactacc tcagcaattt gtgccccta caaatgttag 240
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tgacagaag tgcatataaa aaaacatgaa ggacagatat gttgaagtct ttcagtgttc 480
agctgaggag atgaactttg tgtaaatggg gggcacttta aatcgaaatg gcttatcccc 540
accgccatgc ctgtctcctc cctctacac atttccagct cctgctgcar ttattcctac 600
araarctgcc atttaccagc cctctgtgat tttgaatcca cgagcactgc agccctycac 660
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ctgtgcctta tcttttggtg gagtgaaaaa atttgagcta gtgaagccaa atcgtaactt 900
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tgaatttggg atcagatgtc tccattactt ccagttaaag tggcatcata ggtgtttcct 1020
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ttaactgcaa taggaagaaa aaaaaaagg tttgtgtgaa aattggtgat aactggcact 2100
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<210> 325

<211> 1213

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1213)

<223> n equals a,t,g, or c

<400> 325

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tggagcgtg ggtcgaccca cgcgtcgggt caaaaytaac cccctaataa aattaattaa 60
ccactcattc atcgacctcc ccaccccatc caacatctcc gcatgatgaa acttcggctc 120
actccttggc gcctgcctga tcctccaaat caccacagga ctattcctag ccatgcaacta 180
ctcaccagac gcctcaaccg ccttttcatc aatcgccac atcactcgag acgtaaaatta 240
tggttgaatc atccgtacc ttcacgcaa tggcgctca atattcttta tctgcctctt 300
cctacacatc gggcgaggcc tatattacgg atcatttctc tactcagaaa cctgaaacat 360
cggcattatc ctctgcttg caactatagc aacagccttc ataggctatg tcctcccggtg 420
aggccaaata tcattctgag gggccacagt aattacaaac ttactatccg ccatcccata 480
cattgggaca gacctagttc aatgaatctg aggaggctac tcagtagaca gtcccaccct 540
cacacgattc tttaccttct acttcatctt gcccttcatt attgcagccc tagcagcact 600
ccacctccta ttcttgacag aaacgggac aaacaacccc ctaggaatca cctcccattc 660
cgataaaatc acctccacc cttactacac aatcaaagac gccctcggt tacttctctt 720
ccttctctcc ttaatgacat taacactatt ctcaccagac ctctaggcg acccagacaa 780
ttatacccta gccaacccct taaacacccc tcccacatc aagccgaat gatatttctt 840
attcgcctac acaattctcc gatccgtccc taacaaacta ggaggcgtcc ttgccctatt 900

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actatccatc ctcatcctag caataatccc catcctccat atatccaaac aacaaagcat 960
aatatttcgc ccactaagcc aatcacttta ttgactccta gccgcagacc tcctcattct 1020
aacctgaatc ggaggacaac cagtaagcta cccttttacc atcattggac aagtagcatc 1080
cgtactatac ttcacaacaa tcctaatacct aataccaact atctccctaa tkgaaaacaa 1140
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ttcccccccta ggn 1213
```

<210> 326

<211> 2764

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2128)

<223> n equals a,t,g, or c

<400> 326

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tggaacagtca ggctgggcag atccgggctc aggccgkca rgartcagaa cgcttgcccc 120
gggacaagaa tgcctcctta cagctgctgc aaaaggagaa ggagaagctg actgtgctgg 180
aaaggagata cactcactc acagggggca ggcctttccc gaagaccaca tcgaccctca 240
aagaggttta ccgctccaag atggatggcg aggccaccag ccccttccc cggaccgcga 300
gcggccccctc cctcctcct ctggtctctc ctccctctcc tcccagctca gcgtggctac 360
cctggggcgt ancycckccc caaagagcgc tctactcacc cagaatggca cgggcagcct 420
tcctcgcaac ctggcagcca cactgcagga catcgagacc aagcgccaac tagctctgca 480
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aactgccgtg ggcctcctgg cagagcacia ctggggcttt tgtataagaa gactttaata 1560
ttctgtaagg agcttggtcc tgtgagtttc tgggctctgg cctcctgaag aaccagccag 1620
aagaagaaaa gttagaggtg ctttgcctgc tcctgggagc ccagaacttg cagtaaccct 1680
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ttaggtcctg cccagggccc agccagggct gaggagctgt cacagagagg gcctcagctc 1740
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cataagctgc caaagatccc ctctgcctc agaccccttt gccaggggct ttgggggctg 1860
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ccaggctggg ggttttcagt atttgtaagc atttcagcag aacaataaag cctttggact 2700
acgraaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagggag 2760
gggc

```

<210> 327

<211> 1764

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1758)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1759)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1762)

<223> n equals a,t,g, or c

<400> 327

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acgaccccaa cgccctgtat tgcatttgcc gccagcctca caacaacagg ttatgattt 120
gctgtgaccg ctgtgaagaa tggtttcatt gcgatttgtt gggcatttct gaggctcgag 180
ggaggctttt ggaaaggaat ggggaagact atatctgccc aaactgcacc attctgcaag 240
tgaggatga gactcattca gaaacggcag atcagcagga agctaaatgg agacctggag 300

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aagggataaa gggtagaatt gagaaagctg caaatccaag tggcaagaag aaactcaaga 420
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<210> 328

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (535)

<223> n equals a,t,g, or c

<400> 328

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ggccgcatca aggtggtctt tactccgagc atctgtaaag tgacctgcac caagggcagc 180
tgtcagaaca gctgtgagaa ggggaacacc accactctca ttagtgagaa tggatcatgt 240
gccgacaccc tgacggccac gaacttccga gtggtaatth gccatcttcc atgtatgaat 300
ggtggccagt gcagttcaag ggacaaatgt cagtgccttc caaatttcac agggaaaactt 360
tgtcagatcc cagtccatgg tgccagcgtg cstaaactth atcagcattc ccagcagcca 420
ggcaaggcat tggggacgca tgtcatccat tcaacacata ccttgctctt gaccgtgact 480
agccagcagg agtcaaagtg aaatttcctc cttaacatag tcaatatcca tgtgnaacat 540
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cctcctgaag cttccgtcca gatacatcag g

571

<210> 329

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<400> 329

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ttgggaacca aatgggtttg ggcatgattt cccagctcat tatatattga cacagaattt 180  
tttcagaatg gcattttacta gtaccccaaga aatttagcaa agtatagtta ggtacttatt 240  
gtaaaatata ttgcatattt gatttaaggt ttgttatgaa cacactaatc tgatatttta 300  
tatttaaacc attttcaatk ctgtaagact cagtaagagc tatttaatta tactgwaaca 360  
aagaaaatct ataaataaat agcacaaata ggcacatgcg ggtgtataat actgaagtgg 420  
tagtttttaa tttccgaaga gaataagcnc ttcaggccca ttagaancac aga 473

<210> 330

<211> 1335

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (865)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1004)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1156)

<223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1301)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1328)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1333)  
 <223> n equals a,t,g, or c

<400> 330  
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 aggatgagca agctgcccag ggagctgacc cgagacttgg agcgagctg cctgccgtgg 180  
 cctccccggg ctctcactg tcccacagcc agagcctctc ctgcacctc cttccgccgc 240  
 ctgagaagcg aagggccatc tctgatgtcc gccgcacctt ctgtctcttc gtcaccttcg 300  
 acctgctctt catctccctg ctctggatca tcgaactgaa taccaacaca ggcattccgta 360  
 agaacttgga gcaggagatc atccagtaca actttaaac ttcttcttc gacatctttg 420  
 tcctggcctt cttccgcttc tctggactgc tcctaggcta tgcgtgctgc rgctccggca 480  
 ctggtgggtg attgcggtca cgacgctggt gtccagtga ttcctcattg tcaaggatcat 540  
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 ggagcgatgg tatcttgccg ccaggttgc tgttgcccgt ggacccctgc tgttctccgg 720  
 tgstctgtcc gagggacatt ctattcacc ccagaatcct ttgcagggtc tgacaatgaa 780  
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 atcctgcagc ccgagaggat ggtgctgtgg aacaagacag tgactgcctg ccagatcctg 1080  
 cagcgagtgg aagacaacac cctcatctcc tatgacgtgt ctgcaagggg ctgcgggcgg 1140  
 cgtkgtcttc cccaanggac ttcgtgaatg tccggcgcat tgarcggcgc agggaccgat 1200  
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 tttgcacntt gtntg 1335

<210> 331  
 <211> 1046  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (982)  
 <223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (997)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 331

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ggtaaaacag agagcaacat gccccagtc ctctctcttg ccagttcttg tggcagcccc 60
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tcgacatcaa aagcctctct cctgccagtg ccatagggtt gttagagcta ctgttttgta 180
acagctgctc aggtgtcccc aaactcctgg agttttccac cctgagctgt taaaaacctg 240
ccctgcctgt caccatttc tgtgccacca gcccaccccc tgccctccact ctccctccctg 300
ccaccttctg tccctgccat aggaatatgg ggacaccgtg tacaccattg aagttccctt 360
tcacggcaag acgtttatcc tgaagacctt cctgccctgt cctgcgaggc tcgtgtacca 420
ggaggtgatc ctgcagcccc agaggatggt gctgtggaac aagacagtga ctgcctgcca 480
gatcctgcag cgagtggaa acaacaccct catctctat gacgtgtctg caggggctgc 540
ggcgcgctg gtctcccaa gggacttcgt gaatgtccgg cgcattgagc ggcgcaggga 600
ccgatacttg tcatcaggga tcgccacctc acacagtggc aagccccga cgcacaaata 660
tgtccgggga gagaatggcc ctgggggctt catcgtgctc aagtcggcca gtaacccccg 720
tgtttgcacc tttgtctgga ttcttaatac agatctcaag ggccgcctgc cccggtacct 780
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tcgccaccac ttccagagcc agaaagggtg ccagttgggc tcgcactgcc cacatgggac 960
ctggccccag gcwgtmamcc tncamcgagc cacgcantcc tgggagttga tgaagtgaaca 1020
gstttgggtg gacattggat tcgggg 1046

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&lt;210&gt; 332

&lt;211&gt; 1311

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1280)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 332

```

ggcggcacca gcggcggcgc tctgtgtgga gaagcagggg cwgtgctgc cgtgctgct 60
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aaactcggaa aagggatgaa aaagagaaat tcgaaccac agtcttcagg gatacacttg 240
tccaggggct taatgaggct ggtgatgacc ttgaagctgt agccaaattt ctggactcta 300
caggctcaag attagattat cgtcgtatg cagacacact ctccgatatc ctgggtggctg 360
gcagtatgct tgcccctgga ggaacgcgca tagatgatgg tgacaagacc aagatgacca 420
accactgtgt gttttcagca aatgaagatc atgaaacat ccgaaactat gtcagggtct 480
tcaataaact catcaggaga tataagtatt tggagaaggc atttgaagat gaaatgaaa 540
agcttctcct cttccttaaa gccttttccg aaacagagca gacaaagttg gcgatgctgt 600
cggggattct gctgggcaat ggcacctgc ccgccaccat cctcaccagt ctcttcaccg 660
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ggaaggaact gcagaaggag ctccaggagc gtctttctca ggaatgcccg atcaaggagg 960
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atttcatgaa agcctttcag aagattgtgc ttccttatac catttcagta ttgcttcttc 1260
gctcagaaca tcagctttan tcgtgccgat tcggcacgag cggcacgagc c 1311

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&lt;210&gt; 333

&lt;211&gt; 1444

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 333

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tgtccttggg gctgtaattg gccccagctg agcagggcaa acactgaggt caactacaag 120
ccacaggccc cttccccagc ctcaagttcac agctgccctg ttgcaggag gcggtggccc 180
ttctgttgct agaccgagcc tgtgggatat accaaggcag aggagcccat agccatgagg 240
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aagg 1444

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&lt;210&gt; 334

&lt;211&gt; 1030

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

<221> misc feature  
<222> (989)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1006)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1023)  
<223> n equals a,t,g, or c

<400> 334  
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cgccactacc accaccacca ctaccaccag cccctccct cccctgtcc ctccctcct 720  
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ggnaagggaa 1030

<210> 335  
<211> 2127  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2098)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

<222> (2114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2117)

<223> n equals a,t,g, or c

<400> 335

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ggtggtgggg ggcaggggac agaggccatg aaggagcaag ttttgatttt gtgacctcag 2040
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<210> 336

<211> 847

<212> DNA

<213> Homo sapiens

<220>  
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<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (829)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (847)  
<223> n equals a,t,g, or c

<400> 336  
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tccccactcc ttctctcagc ccaagctctg actttccgtg ctccacgacg ccgcggctcc 180  
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gaccgcggcc cgtatcggga tccctgcccc gcgaacactg cgcgtttcgg ntctcgcgcg 300  
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acggtcatga cttttttatg attgggcacg gagggatcca gggcatctgt gaactggctg 660  
cttcttccag agagatctct tggcagagtg agggcctgga gataaccagc tttggattat 720  
cccgcatgca acattcctgt gatcacataa tcctcttctt catcctcata tgaaataaat 780  
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ttggccn 847

<210> 337  
<211> 702  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (669)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (679)  
<223> n equals a,t,g, or c

<400> 337  
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aaccgcgaaa gagtaagacg gcagcggcac cctctgaaaa gaatcggggc ccaagaaaag 180  
gcggtcgtgt tatcgctccc argaaggcgc gcgtcgtgca gcagcaaaag ctcaagaaga 240  
acctagaagt cggaatccgg aagaagatcg aacatgacgt ggtgatgaaa gccagcagca 300  
gcctgcccga gaagctggca ctgctgaagg cccagccaa gaagaaagg gcagctgccg 360  
ccacctcctc caagacacct tcctgaggac gctggcccca gtgcaggcca acatcccacc 420  
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cctgtccccc agcactgggc ttcacctaga acttcagtgg gggccaagg tgctgagaac 540  
ccagcaatga ccaggaagat acagtcacta acttcacttg tccccgtgcc ctttcccagg 600  
tcctgcctcc acaggtttaa cccagaacaa taaacctggc tttgtcaama aaaaaaaaaa 660  
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<210> 338  
<211> 875  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (791)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (813)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (830)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (861)  
<223> n equals a,t,g, or c

<400> 338

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cacacacaaa gataacagta cctagagaga gagtgtgtgt gagtgtgcgt gtctctgtgt 180  
gtgcacgtgc acgctcatgg ccaaagtgtc gactctaca taaaggaggc aggagttcct 240  
ataggctatt taatgtaaga gaaactatct ttctcctgtt ccagctgtat cagatactcg 300  
ttccgcaaca cagaaatgac tcagaatctc agacaaaatg tattatttgt tcaattttaa 360  
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ctcacaaaag agaaggcagg aaacgttttg tgagtgccta ttctatgtca aacactgtgt 480  
tggcaccata ttttacaagt ttttttcctc ttctcacagt gatcttgtga gttagttact 540  
tatatTTTTA ttagaactca ttattctggg taccctccaa tgagaattag agaggttaaa 600  
taccttttcc tagattccca cagcaggaag gtgggcatag ctgttttgtc tgacaccaga 660  
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ccttcaaagc tcagaggact gggtttkgaa tgggtttaat ttttgcaagg gatccatgtc 780  
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<210> 339

<211> 1448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1427)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1440)

<223> n equals a,t,g, or c

<400> 339

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tctgttttcc atccccttca ggtccttcct cgggagggcg cgaaggcggg ccaccctgcg 180  
cgtgatcctt yatgcccggc ccctgcccct ccctccgggt ggaacttccc cctcaccgcc 240  
agacttaagc tgaggatcgt tggatctctg gcggggtgca gaactgagcc caggccacag 300  
taccctattc acgctctgtg cttgtgccaa gggggcaatg gcggcttcct gtgttctact 360  
gcacactggg cagaagatgc ctctgattgg tctgggtacc tggaagagtg agcctggtca 420  
ggtaaaagca gctgttaagt atgcccttag cgtaggctac cgccacattg attgtgctgc 480  
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cctgtacctg atgcactggc cttatgcctt tgagcgggga gacaaccctt tcccaagaa 720  
tgctgatggg actatatgct acgactccac ccactacaag gagacttgga aggtctgtga 780  
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cagcttcttg gcctcccttc cagctctgca gctaattgagg tcctgccaca acggaaagag 1380
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caagggaa 1448

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<210> 340

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (812)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (822)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (829)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (838)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (841)

<223> n equals a,t,g, or c

<400> 340

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gctgatctcc tgctgatgt ttctgtctca gagccaaggc caagaggccc agacagagtt 180
gccccaggcc cggatcagct gccagaagg caccaatgcc tatcgctcct actgctacta 240
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ggagagtggc actgatgact tcaatgtctg gattggcctc catgacccca aaaagaaccg 420
ccgctggcac tggagcagtg ggtccctggt ctcctacaag tcctggggca ttggagcccc 480

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gctggaaaat acatgtctag aactgatcca gcaattacaa cggagtcaaa aattaaaccg 660
gaccatctct ccaactcaac tcaacctgga cactctcttc tctgctgagt ttgccttggt 720
aatcttcaat agttttacct accccagtct ttggaaccyt aaataataaa aataaacatg 780
tttcactaa aaaaaaaaaa aaaaaaaamt cncagggggg gnccggtanc caattcgncc 840
naa 843
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<210> 341

<211> 1293

<212> DNA

<213> Homo sapiens

<400> 341

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acggatatcc tctgttgggg gagaagcaac attttgtgat tttccaaaaa taaaccatgg 180
aattctatat gatgaagaaa aatataagcc attttcccag gttcctacag gggaagtgtt 240
ctattactcc tgtgaatata attttgtgtc tccttcaaaa tcattttgga ctgcgataac 300
atgcacagaa gaaggatggt caccaacacc aaagtgtctc agactgtgtt tctttccttt 360
tgtggaaaat ggtcattctg aatcttcagg acaaacacat ctggaagggtg atactgtgca 420
aattatttgc aacacaggat acagacttca aaacaatgag aacaacattt catgtgtaga 480
acggggctgg tccaccctc ccaaatgcag gtccactgac acttcctgtg tgaatccgcc 540
cacagtacaa aatgctyata tastgtcgag acagatgagt aaatatccat ctggtgagag 600
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gaatcaatca taaartgcac acctttatc agaactttag tattaatca gttctyaatt 1140
tcatttttwa tgtattgttt tactcctttt tattcatag taaaattttg gattaatttg 1200
tgaaaatgta attataagct gagaccgtg gctctcttct taaaagcacc atattaaatc 1260
ctggaaaact aaaaaaaaaa aaaaaaaact cgc 1293
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<210> 342

<211> 1273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c



<220>  
<221> misc feature  
<222> (1247)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1262)  
<223> n equals a,t,g, or c

<400> 342  
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cgacgcgcag ctgcaggctg agaagcagaa ggccaggga gaagaggagc aaaaagaagg 180  
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cgagaacccc aaccgggtgg cacagacaac caaaaaggtc acacaactgg atctggacgg 360  
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ccaggcaaaa catgtccac aaattcaact tgtatatattg gcagattaaa cttgacatta 1200  
tcgtaaaaaa aaaaaaaaaa atttgggggg gggcccggta cccattnggg cccttagggg 1260  
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<210> 343  
<211> 1793  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1267)  
<223> n equals a,t,g, or c

<400> 343

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gactacagcg atgatgggtg ggtgaatttg aaccggcaag gcttcagcta ccagtgtccc 180
caggggcagg tgatagtggc cgtgaggagc atcttcagca agaaggaagg ttctgacaga 240
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ctgcagagat ggcgctatct ttctctctcc tgtgatgtcc tgctcccaac catttgtact 1680
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1793
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<210> 344

<211> 1672

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1667)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1668)

<223> n equals a,t,g, or c

&lt;400&gt; 344

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aagtctaagc gccggaagtg gtgggcattc tgggtaacga gctatttact tcctgcgggt 180
gcacaggctg tggctcgtcta tctccctggt gttcttccca tcggcgaaga tggccctgga 240
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tatagaccag tttgaatatg atggttgtga caattgtgat gcatacttac aaatgaagg 360
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tgctgtttta cctcaggatt gttgtgattg tagaaacgaa gctatgtgaa aattatataa 1620
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&lt;210&gt; 345

&lt;211&gt; 2109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 345

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caagacaccc cagaggatct tcagcagtc tacttcccat tctctataga gctttgaagc 180
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<210> 346

<211> 1714

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<400> 346

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<210> 347

<211> 1672

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1667)

<223> n equals a,t,g, or c

<400> 347

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<210> 348  
 <211> 1483  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (19)  
 <223> n equals a,t,g, or c

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 ttccctagaa cccagccag gtccgtggtg gccctgaaga ccccatcaa ggtggagctg 180  
 gtggcaggga aaacctacag gtggtgtgtg tgtggccgca gcaagaagca gcccttctgt 240  
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<210> 349  
 <211> 1842  
 <212> DNA  
 <213> Homo sapiens

<400> 349  
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 gggaaaccag agtctgtatt ttctaaact cctggctgt tctgatcggc cagttttcgg 300  
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 aggggttgaa ttcaaccacg caggaagcct actatttaaa tccttggctt caggttagtg 420

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<210> 350

<211> 3008

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1307)

<223> n equals a,t,g, or c

<400> 350

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<211> 2756  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1597)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2540)  
<223> n equals a,t,g, or c

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cacagcctcc cccgccagcc ccaagctggg ccgaggcgcg tttgtgyata tctgcctccc 2460
ctgtctstaa ggagcagcgg gaacggagct tcggrgcctc ctgagtgaa gtggtggggc 2520
tgccgatctt gggctgtggn gcccttgggc cacgctcttg aggaagccca ggctcggagg 2580
accctggaaa acagacgggt ctgagactga aattgtttta ccagctccca ggggtggactt 2640
cagtgtgtgt atttgtgtaa atgagtaaaa cattttatct ctttttaaaa aaaaaaaaaa 2700
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 2756
```

<210> 352

<211> 1645

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1574)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1596)

<223> n equals a,t,g, or c

<400> 352

```
cgcgctccgcc cacgcgtccg cccacgcgtc cggaataata ttctttgaat aaccttgagc 60
tactatatct caatttcttt ataaatttaa gtgcatntta actcataatt gtacactata 120
atataagcct aagtttttat tcataagttt tattgaagtt ctgatcggtc cccttcagaa 180
atctttttat attattcttc aagttacttt cttatttata ttgtatgtgc attttatcca 240
ttaatgtttc atactttctg agagtataat acccttttaa aagatatttg gtataccaat 300
acttttcctg gattgaaaac tttttttaa ctttttaaaa tttgggccac tctgtatgca 360
tatgtttggt cttgttaaag aggaagaaag gatgtgtgtt atactgtacc tgtgaatggt 420
gatacagtta caatttattt gacaagggtt taattctaga atatgcttaa taaaatgaaa 480
actggccatg actacagcca gaactgttat gagattaaca tttctattga gaagcttttg 540
agtaaagtac tgtatttggt catgaagatg actgagatgg taacacttcg ttagacttaa 600
ggaaatgggc agaatttcgt aaatgctggt gtgcagatgt gttttccctg aatgctttcg 660
tattagtggc gaccagtttc tcacagaatt gtgaagcctg aaggccaaga ggaagtcact 720
gttaaaaggac tctgtgccat cttacaacct tggtatgaatt atcctgccaa cgtgaaaacc 780
tcatgttcaa agaacacttc cctttagccg atgtaactgc tggttttggt tttcatatgt 840
gtttttctta cactcatttg aatgctttca agcatttgta aacttaaaaa atgtataaag 900
ggcaaaaagt ctgaaccctt gttttctgaa atctaatacag ttatgtatgg tttctgaagg 960
gtaattttat tttggaatag gtaaaggaaa cctgttttgt ttgtttttcc tgagggttag 1020
```

```

atgcattttt tttctcacac tcttaatgac ttttaacatt tatactgagc atccatagat 1080
atattcctag aagtatgaga agaattattc ttattgacca ttaatgtcat gttcatttta 1140
atgtaataata attgagatga aatgttctct ggttgaaca gatactctct ttttttctt 1200
gcaatcttta agaatacata gatctaaaat tcattagctt gacctctcaa agtaactttt 1260
aagtaaagat taaagctttt cttctcagtg aatatacttg ctagaaggaa atagctggga 1320
agaatttaat gatcaggga attcattatt tctatatgtg gaaacttttt gcttcgaata 1380
ttgtatcttt ttaaactctaa atgttcata ttttcctgaa gaaaccactg tgtaaaaatc 1440
aaattttaat tttgaatgga ataatttcaa agaactatga agatgatttg aagctcta at 1500
ttatatagtc acctataaaa tgttccttat atgtgttcac aagtaaattt tatattgatt 1560
aagttaaact tttngaattg gatttgagga gcagtnaaaa tgaaagctat atctattctr 1620
aaaccttrtt taagaccatt tggggg                                     1645

```

<210> 353

<211> 1637

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (738)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (771)

<223> n equals a,t,g, or c

<400> 353

```

gcccgtgag gacgcagcgt cactgacctg gggagtcgcg attcgtgccg gccggtcctg 60
gttctccggt cccgccgctc ccgcagcagc catgtcgttc ttcccggagc tttacttta 120
cgtggacaat ggctacttg agggactggt gcgcggcctg aaggccgggg tgctcagcca 180
ggccgactac ctcaacctgg tgcagtgcga gacgctagag gacttgaaac tgcactgca 240
gagcactgat tatggtaact tcctggccaa cgaggcatca cctctgacgg tgtcagtcac 300
cgatgaccgg ctcaaggaga agatgggtgt ggagttccgc cacatgagga accatgccta 360
tgagccactc gccagcttcc tagacttcat tacttacagt tacatgatcg acaacgtgat 420
cctgctcatc acaggcacgc tgcaccagcg ctccatcgct gagctcgtgc ccaagtgcc 480
cccactaggc agcttcgagc agatggaggc cgtgaacatt gctcagacac ctgctgagct 540
ctacaatgcc attctggtgg acacgcctct tgcggctttt ttccaggact gcatttcaga 600
gcaggacctt gacgagatga acatcgagat catccgcaac accctctaca aggcctacct 660
ggagtccttc tacaagttct gcaccctact gggcgggact acggctgatg ccatgtgcc 720
catcctggag tttcaangc agaccgtgcc aagctctttc cactctgtgg ncggctctac 780
cctgagggcc tggcgcastg gctcgggctg acgactatga acaggtcaag aacgtggccg 840
attactacct ggagtacaag ctgctcttcg aggtgtcagg tagcaaccct ggagacaaga 900
cgctggagga ccgattcttt gagcacgagg taaagctgaa caagttggcc ttccctgaacc 960
agttccactt tgggtgtctt tatgccttcg tgaagctcaa ggagcaggag tgtcgaaca 1020
tcgtgtggat cgctgaatgt atcggccagc gccaccgcgc caaaatcgac aactacatcc 1080
ctatcttcta gcgtccctggc ccaaggctct caattgcact ctttgtgtgt gtgtgtgtgt 1140
gtgtgcgcgt gtgtgtgcgt gtgtgtgtat gtgtgtgtgt acaagcctgt ggctcacctg 1200
cctgtccggg gtgtagtacg ctgtcctagc ggctgcccag ttctcctgac cctcttagag 1260
actgttctta ggcctgaaaa ggggctgggc accccccc accaaggatg gacgaagacc 1320
ccctccagag caaggaggcc ccctcagccc tgtggttaca gccgctgatg tatctaagaa 1380

```

```
gcattgtcact ttcattgttc tccctaactc cctgacctga gaacctctgg gcctgggggc 1440
agtttgagcc tcctctccct tctgtgggtc gctcccagag ccatggccca tgggaaggac 1500
agagtgtgtg tgccttggg gcctgggggg atgttgctcc tcagctccct ccctcagccc 1560
tgccctctg agacaataaa actgccctct ctaaggccaa aaaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaa                                     1637
```

<210> 354

<211> 1119

<212> DNA

<213> Homo sapiens

<400> 354

```
cggcacgagc ccgcgccccg cgaggctccg ggggtctcgg cttccgcctt cttgctgccc 60
tcgttcttgc crgggcccgc gttagtccct gctggccacc ccaactgcac catgttcgtt 120
ccctgcgggg agtcggcccc cgaccttgcc ggcttcaccc tcctaattgcc agcagtatct 180
gttggaatg ttggccagct tgcaatggat ctgattattt ctacactgaa tatgtctaag 240
attggttact tctataccga ttgtcttggt ccaatgggtg gaaacaatcc atatgcgacc 300
acagaaggaa attcaacaga acttagcata aatgctgaag tgtattcatt gccttcaaga 360
aagctgggtg ctctacagtt aagatccatt tttattaagt ataaatcaaa gccattctgt 420
gaaaaactgc tttcctgggt gaaaagcagt ggctgtgcca gagtcattgt tctttcragc 480
agtcattcat atcagcgtaa tgatctgcag ctctgtagta ctcccttccg gtacctactt 540
acaccttcca tgcaaaaaag tgttcaaaat aaaataaaga gccttaactg ggaagaaatg 600
gaaaaaagcc ggtgcattcc tgaaatagat gattccgagt tttgtatccg cattccggga 660
ggaggatatca caaaaacact ctatgatgaa agctgttcta aagaaatcca aatggcagtt 720
ctgctgaaat ttgtttcaga aggggacaac atcccagatg cattaggtct tgttgagtat 780
ctaatgagt ggcttcagat actcaaacca cttagcgatg accccacagt atctgcctca 840
cggtggaataa taccaagttc ttggagatta ctctttggca gtggtcttcc ccctgcactt 900
ttctgatcta atttctgttt tataccttat acccaaaaca cttactacca acacagctgt 960
taaacattct atacaaaaaa attgtatgat ctgggtattag gaaattactt tcacagtaaa 1020
tatcaaagaa aaaagattaa rggtctcttt gccatgcttt tcatcatatg caccaaatgt 1080
aaattttgta cctcggccgc gaccacgcta agccgaatt                                     1119
```

<210> 355

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (654)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (689)

<223> n equals a,t,g, or c

<400> 355

```
ggcacgagg acttgctgct ggctgccgcg gccgccactg gaaagctgaa atccttcgcc 60
cggaaattca tcaatttgaa tgaattcaca acctatggca gcgargaaag caccaaaccc 120
gcctccgtcc gggccctgct gtttgamatc tccttctca tgctgtgcca tgtggcccag 180
```

```

acctatgggt caraggtgat tctgtccgag tcgcgcacag gagctgaggt gcccttcttc 240
gagacctgga tgcagacctg catgcctgag gagggcaaga tcctgaaccc tgaccacccc 300
tgcttccgcc ccgactccac caaagtggag tccctgggtg ccctgctcaa caactcctcg 360
gagatgaagc tagtgacgat gaagtggcat gaggcctgtc tcagcatctc agccgccatc 420
ttggaaatcc tcaatgcctg ggagaatggg gtcctggcct tcgagtccat ccagaaaatc 480
actgataaca tcaaagggaa ggtatgcagt ctggcgggtg gtgctgtggc ttggcttggtg 540
gcccacgtcc ggatgctggg gctggatgag cgtgagaagt cgctgcagat gatccgccag 600
ctggcagggc cactgttttag ygagaacacc ctgcagttct acaatgagag ggtngtgatc 660
atgaactcga tcctgggagc gcatgtgtnc cgacgtgctg cagcagacag ccacgcagga 720
ttcaagtttc cctccaac 738

```

<210> 356

<211> 1966

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (788)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1753)

<223> n equals a,t,g, or c

<400> 356

```

gaactagtct cgagtttttt ctgtctagct ccgaccggct gaggcggcgc ggcagnggag 60
ggacggcagt ctgcrcggc tactgcagca ctgggggtgtc agttgttggc ccgaccacaga 120
acgcttcagt tctgctctgc aaggatata aataactgat tgggtgtgcc gtttaataaa 180
agaatatgga aactgaacag ccagaagaaa ccttccttaa cactgaaacc aatggtgaat 240
ttggtaaacg ccctgcagaa gatatggaag aggaacaagc atttaaaaga tctagaaaca 300
ctgatgagat ggttgaatta cgcattctgc ttcagagcaa gaatgctggg gcagtgattg 360
gaaaaggagg caagaatatt aaggctctcc gtacagacta caatgccagt gtttcagtcc 420
cagacagcag tggccccgag cgcattattga gtatcagtgc tgatattgaa acaattggag 480
aaattctgaa gaaaatcatc cctaccttgg aagagggcct gcagttgcca tcaccactg 540
caaccagcca gctcccgcct gaattctgat ctgtggaatg cttaaattac caaactata 600
aaggaagtga ctttgactgc gagttgaggc tgttgattca tcagagtcta gcaggaggaa 660
ttattggggt caaagggtgt aaaatcaaa aacttcgaga gaacactcaa accaccatca 720
agcttttcca ggaatgctgt cctcattcca ctgacagagt tggtcttatt ggaggaaaac 780
ccgatagngt tgtagagtgc ataaagatca tccttgatct tatatctgag tctcccatca 840
aaggacgtgc acagccttat gatcccaatt ttacgatga aacctatgat tatggtggtt 900
ttacaatgat gtttgatgac cgtcgcggac gccacgtggg atttcccatg cggggaagag 960
gtggttttga cagaatgcct cctggtcggg gtgggctgcc catgcctcca tctagaagag 1020
attatgatga tatgagccct cgtcgaggac cacctcccc tcctcccga cgaggcggcc 1080
ggggtggtag cagagctcgg aatcttcctc ttctccacc accaccacct agagggggag 1140

```

```

acctcatggc ctatgacaga agagggagac ctggagaccg ttacgacggc atggttggtt 1200
tcagtgtga tgaacttgg gactctgcaa tagatacatg gagcccatca gaatggcaga 1260
tggttatga accacagggt ggctccgat atgattattc ctatgcaggg ggtcgtggct 1320
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ctggatctat tattggcaaa ggtggtcagc ggattaaaca aatccgtcat ggtcgggag 1440
cttcgatcaa aattgatgag cctttagaag gatccgaaga tcggatcatt accattacag 1500
gaacacagga ccagatacag aatgcacagt atttgctgca gaacagtgtg agcagwtma 1560
gwttagcttt gtgttagctt atacatacta aaacctttaa aaagcttttc ttctcaattg 1620
atTTTTTct tttagaagcc atggtgtctc aaccttttgg ggacctaaact tctaaacatt 1680
ctaatagttt gccttaattt ttcttctgct ttcttactaa aaacgargac attcaatact 1740
aatcttgctt ggnaggaagc cttgaaccaa gcaaacttct gcatttctct ggtgaaaact 1800
gctgccaaaa ccacttggtt aaaattgtac agagcctgta ggaaaatata gaaggttcca 1860
ttgggatgtt ggccatgtt tgtgtgggaa gacttagtgg attttgttt ttttagata 1920
actaaatcgg ccaacaaatc accgttctgg cctatgggac cgggcc 1966

```

<210> 357

<211> 1562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<400> 357

```

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atggaccaat actggggaat tggcagctg gccagtggga taaatttgtt cacaaacagt 120
tttgagggcc cagttcttga tcacaggtat tatgcagggt gatgctcccc gcattacatc 180
ctgaacacga ggtttaggaa gccctacaat gtggaaagct acacgccaca gaccgaaggc 240
aaatacgaat tcatattaan anagtatgaa tcatactcag attttgaacg caatgtcaca 300
gagaaaatgg caagcaagtc tggtttcagt tttggtttta aaatacctgg aatatttgaa 360
cttggcacatc gtagtcaaag tgatcgaggc aaacactata ttaggagaac caaacgattc 420
tctcactata aaagcgtatt tctgcattgca cgctctgacc ttgaagtagc acattacaag 480
ctgaaaccca gaagcctcat gctccattac gagttccttc agagagttaa gcggctgccc 540
ctggagtaca gctacgggga atacagagat ctcttccgtg attttgggac ccactacatc 600

```

```

acagaggctg tgcttggggg catttatgaa tacaccctcg ttatgaacaa agaggccatg 660
gagagaggag attatactct taacaacgtc catgcctgtg ccaaaaatga ttttaaaatt 720
gggtggtgcc ttgaagaggt ctacgtcagt ctgggtgtgt ctgtaggcaa atgcagaggt 780
attctgaatg aaataaaaga cagaaacaag agggacacca tgggtggagga cttggtggtc 840
ctggtacgag gaggggcgaag tgagcacatc accaccctgg cataccagga gctgccgacg 900
gcggacctga tgcaggagtg gggagacgct gtgcagtaca acccagccat catcaaagtt 960
aaggtggagc ctctgtatga actagtgaac gccacagatt ttgcctattc cagcacagtg 1020
aggcagaaca tgaagcaggc actggaggag ttccagaagg aagttagtct ctgccactgt 1080
gctccctgcc aaggaaatgg agtccctgtc ctgaaaggat cacgctgtga ctgcatctgt 1140
cctgttggtg cccaaggcct agcctgtgag gtctcctatc ggaagaatac ccccatgtat 1200
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gaaacacttg actgctccta gcagatgata cagcagtggg ctacatacaa tgagagccct 1380
gagccctcaa gaactcaygc cagctcagcc ttccacctgg agttcatgca 1440
agggcaaaaag gcagtgccat gcaagctgtt taaaataaag atgttacctt gtaaaatgca 1500
agttgattta aataaatact gagttaaagg ctttaaaaaa aaaaaaaaaa aaaggggggg 1560
cg                                     1562

```

&lt;210&gt; 358

&lt;211&gt; 1931

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 358

```

ctcgggagct cggactccta cgcatacccg ggaagggccg ccgccccgcc cgcggctgct 60
ggccccgggtg acacttccgc ctgctataag agcagcggcc ctcggtgcct ccttcctgac 120
ctcgcaccca gtcgagagcc cggagcgtgc ctcggcggcc tgtcggtttt caccatggag 180
cagctgagct cagcaaacac ccgcttcgcc ttggacctgt tcctggcggt gagtgagaac 240
aatccggctg gaaacatctt catctctccc ttcagcattt catctgctat ggccatgggt 300
tttctgggga ccagaggtaa cacggcagca cagctgtcca agactttcca tttcaaacg 360
gttgaagagg ttcattcaag attccagagt ctgaatgctg atatcaacaa acgtggagcg 420
tcttatattc tgaaacttgc taatagatta tatggagaga aaacttacaa tttccttcct 480
gagttcttgg tttcgactca gaaaacatat ggtgctgacc tggccagtgt ggattttcag 540
catgcctctg aagatgcaag gaagaccata aaccagtggg tcaaaggaca gacagaagga 600
aaaattccgg aactgttggc ttcgggcatg gttgataaca tgaccaaact tgtgctagta 660
aatgccatct atttcaaggg aaactggaag gataaattca tgaaagaagc cacgacgaat 720
gcaccattca gattgaataa gaaagacaga aaaactgtga aaatgatgta tcagaagaaa 780
aaatttgcat atggctacat cgaggacctt aagtgccgtg tgctggaact gccttaccaa 840
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gatctgtctg gcatgtcagg agccagagat atttttatat caaaaattgt ccacaagtca 1140
tttgtggaag tgaatgaaga gggaacagag gcggcagctg ccacagcagg catcgcaact 1200
ttctgcatgt tgatgcccga agaaaatttc actgccgacc atccattcct tttctttatt 1260
cggcataatt cctcaggtag catcctattc ttggggagat tttcttcccc ttagaagaaa 1320
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ttgtaagttt ggctctgttg gctgtttaca cccatgaatt ttggcatggg tatctatttt 1500
ycttttttac attgaaaaaa atccagtggg tgcttttgaa tgcataaggt aaagaagaag 1560
aaaagaatac atccgatgcg tagattcttg accatgtagt aatctataaa attgctatat 1620

```

300

```

cctcctgata gccatgggaa aacatgataa gatgggcatt tattttgcag ttagaatttt 1680
ggaagccaca aaatagacag acaccctgac tgttgaaggg aggttttaaaa acagatatct 1740
aattgaaatg taagagagca ccccaattga gagccaggt tacgaagaca agcttgccctc 1800
gcctgacttt tctgtccctt gttctgcagg attagtattc tgttacagac ctctagtttt 1860
tagactcttc aattaaaggg ccaatgggta taacctgcaa aaaaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa a                                     1931

```

&lt;210&gt; 359

&lt;211&gt; 869

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (869)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 359

```

gctctggcgg gcataccagc gggccctggc cgctcaccgc tggaaagtac aggtgctgac 60
agctgggccc tgtggttaga ggctggtaca aggttttggg tcggttcac cctggcacca 120
ccaaagtggg tgcaactgaag aagatgttgt tggatcaggg gggctttgcc ccgtgttttc 180
taggtgctt tctccactg gtaggggcac ttaatggact gtcagcccag gacaactggc 240
caaaactacag cgggattatc ctgatgccct tatcaccaac tactatctat ggcctgctgt 300
gcakttagcc aacttctacc tgggtccctc tcattacagg ttggccggtg tccaatgtgt 360
tgctgttatc tggaaactcct acctgtcctg gaaggcacat cggctctaag cctgcctcac 420
tccatcgttt ccaccttgca gtgatgcagc ttgacctgg aacggtcaga caacctcctc 480
aaagtgggca taccagtttc cacgggggtg ggttgccggt cagagcttaa gaggactagc 540
accctgcaat gcccctcttc actctaaaat gtacactgac tgcttttagag cccttgataa 600
tagtcttatt cccaccacat actaggcact ccataaatat ctgttgaacc ttcatgacct 660
tatcaacttt acaccatata cccagcaaat gccactcacc cccactcttc atagacacat 720
ttgttactct aacctgcct aggtctcttg tagctccagc tcttttagaga ctcccggaa 780
ccttttatatg gtgcctcagt aaatatgtta ttaaatatgt aatccggaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa                                     869

```

&lt;210&gt; 360

&lt;211&gt; 561

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (521)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (525)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



&lt;222&gt; (560)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 360

```
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ctcctgagcc gagtagatat cccggagttc cgcgcggcgc cagcccttcc gccacggccg 120
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ccattcgcgc tawagggggn g                                     561
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&lt;210&gt; 361

&lt;211&gt; 1680

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 361

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<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (591)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (709)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (718)

<223> n equals a,t,g, or c

<400> 362

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<210> 363

<211> 1324

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<400> 363

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<210> 364

<211> 2853

<212> DNA

<213> Homo sapiens

<400> 364

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<210> 365

<211> 1837

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (749)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1816)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1829)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1832)  
<223> n equals a,t,g, or c

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<210> 366

<211> 1823

<212> DNA

<213> Homo sapiens

<400> 366

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<210> 367

<211> 898

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 367

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&lt;210&gt; 368

&lt;211&gt; 1117

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 368

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<210> 369

<211> 2226

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<213> Homo sapiens

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<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

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<400> 369

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<210> 370

<211> 3636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1937)

<223> n equals a,t,g, or c

<400> 370

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<210> 371

<211> 4039

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1085)

<223> n equals a,t,g, or c

<400> 371

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&lt;210&gt; 372

&lt;211&gt; 1599

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 372

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&lt;210&gt; 373

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 373

313

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&lt;210&gt; 374

&lt;211&gt; 890

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (886)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 374

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa 890

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&lt;210&gt; 375

&lt;211&gt; 1874

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 375

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tatggagtaa tgttaccccc ttgaaattca gcaagattaa cacaggcatg gctgacattt 540

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tggtgggttt tgcccggtga gctcatggag acttccatgc ttttgatggc aaaggtggaa 600
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aaaaaaaaaa aagc 1874

```

<210> 376

<211> 2018

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1997)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2012)

<223> n equals a,t,g, or c

<400> 376

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gccctgaacc cagtgcctgc agccatggct cccggccagc tcgccttatt tagtgtctct 120
gacaaaaccg gccttggtga atttgcaaga aacctgaccg ctcttggttt gaatctggtc 180
gcttccggag ggactgcaaa agctctcagg gatgctggtc tggcagtcag agatgtctct 240
gagttgacgg gatttcctga aatgttgggg ggacgtgtga aaactttgca tcctgcagtc 300
catgctggaa tcctagctcg taatattcca gaagataatg ctgacatggc cagacttgat 360
ttcaatctta taagagttgt tgctgcaat ctctatccct ttgtaaagac agtggttctt 420
ccaggtgtaa stgttgagga ggctgtggag caaattgaca ttgggtggagt aaccttactg 480
agagctgcag ccaaaaacca cgctcgagtg acagtggtgt gtgaaccaga ggactatgtg 540
gtggtgtcca cggagatgca gagctccgag agtaaggaca cctccttgga gactagacgc 600
cagttagcct tgaaggcatt cactcatagc gcacaatatg atgaagcaat ttcagattat 660

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```

ttcaggaaac agtacagcaa aggcgtatct cagatgccct tgagatatgg aatgaaccca 720
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aaaaaaaaaa aaaaccncgg gggggggccc gnacccca 2018

```

<210> 377

<211> 818

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (818)

<223> n equals a,t,g, or c

<400> 377

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gggccgtcat ggccatgaag gggaagaact gtgtggccat cgctgcagac aggcgcttcg 180
ggatccaggg ccagatgggt accacggact tccagaagat ctttcccatg ggtgaccggc 240
tgtacatcgg tctggccggg ctgcgactg acgtccagac agttgccag cgcctcaagt 300
tccggctgaa cctgtatgag ttgaaggaa gtcggcagat caaaccttat accctcatga 360
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tgtgtgagtc cctctggggag cccaacatgg atccggatca cctgtttgaa accatctccc 600
aagccatgct gaatgctgtg gaccgggatg cagtgtcagg catgggagtc attgtccaca 660
tcacgcagaa ggacaaaatc accaccagga cactgaaggc ccgaatggac taacctgtt 720
cccagagccc actttttttt ctttttttga aataaaatag cctgtctttc aaaaaaaaaa 780
aaaaaaaaaa accccggggg gggcccgga ccaaattn 818

```

<210> 378

<211> 2565

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1508)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2565)

<223> n equals a,t,g, or c

<400> 378

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acaactgaag tctcttgaca aacacctcac cctgcctcc gggatgaaag ggggtaacct 120
agacctgaat gggttgacc atctcacaac tgctcgcgtg acgaccgcat tcgtggcagg 180
taagaagatt gctgtatcaa ctcaagaaag cagtaacttc actgtctttg tattttgaat 240
tgcaacaaca actttgatat caacaatgaa gcaatgatat ctaagaacma aagartattt 300
gccaacagtc atcataatat caagtgattg tataagcaga aacaagctgt cacagacctg 360
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atataaatca tttcaattat atctacatca aataaaataa aatgagtga agccccaga 480
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acctatgcat attctcctgt atatttttaaa tcatctctac attaaaaatac ctgataaaat 2520
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<210> 379

<211> 1680

<212> DNA

<213> Homo sapiens

<400> 379

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aatagttaca cacaagaggg aaactggaag ccaaactctg tacagtattg tgtagaaagt 180
cacctcccta ctctctttat tttacatgag tgctgatgtg ttttggcaga tgagctttca 240
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agttgaagtt ggtagagaca ttcatgattt aaacaccaga tcctgaaagg ggttaaatct 480
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<210> 380

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1262)

<223> n equals a,t,g, or c

<400> 380

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anaaatt 1267

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<210> 381

<211> 1031

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1015)

<223> n equals a,t,g, or c

<400> 381

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caaaaatgtt tcaattccta acagttttcc tttttccact gtgtgactga aagctcctat 180
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tacgtacctt aaggcaccca gttcactagt ctgtggggtc ctggagcctg tctcttcttt 360
ctggaggttc aaactgaata gcaataatta cgttacccaa agcatgtgga ggaaaagtga 420
aaccagccac ggagacgctg gccacgggac tcggcctgcg gtgtggcctg ctttgctcac 480
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<210> 382

<211> 1597

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1597)

<223> n equals a,t,g, or c

<400> 382

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agcggctgtc caatcgagtc gtgcgtgtgt tgggctgtaa cccgggtccc atgaccctcc 180
aaggcaccaa cacctaccta gtggggaccg gccccaggag aatcctcatt gacactggag 240
aaccagcaat tccagaatac atcagctgtt taaagcaggc tctaactgaa tttaacacag 300
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caatccagga aattgtagtg actcactggc accgagatca ttctggaggc ataggagata 360
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<210> 383

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<400> 383

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<211> 2171

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2170)

<223> n equals a,t,g, or c

<400> 384

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tggtgtggaa ctagaaggcc taaaacaaaag attagaaaag aaacagaaaa gagaaccagg 360
tacaaagaca aagaacaaaa ctacattggc atttaagcca atcaaaaaag gaaagaagag 420
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<211> 2364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

&lt;400&gt; 385

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&lt;210&gt; 386

&lt;211&gt; 2864

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 386

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&lt;210&gt; 387

&lt;211&gt; 2683

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
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<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2649)  
<223> n equals a,t,g, or c

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<211> 1446

<212> DNA

<213> Homo sapiens

<220>

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<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

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<222> (57)

<223> n equals a,t,g, or c

<400> 388

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aaaaaa

1446

&lt;210&gt; 389

&lt;211&gt; 723

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (705)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 389

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ygactaaagt tctgtgtgat acgtgtgcct tatttagctc aagacattcc tggagcacct 120
ataaaaactg acttgaatc caggctatgt ctctttttag cttcgtaatc tttggcaagg 180
ccattggatt cttcagctgt acaattagga gactcgatca ggtgattgcc tttctcagct 240
gtcagttctc taatttcagg cttggtagct tgtaggaact gaaattgcaa ttaaaacctt 300
tataaactca aactaaatca tgaattacag aaaaagtcca ttcttccaaa acttgatggt 360
accacactta caagttaaa atatgaagtc gactgtttaa aggattctgc atatattcta 420
gtgtgcacat tcagaaacat tttcttgga aaaagtaccc aacatttttt ataactgcac 480
atattaatth attgccagaa taaattgcat tgcattgctaa ataaagtcag ataattcaaa 540
tccatttgct tttatgtagt ttttcttcta aatgtcaaca ttttggaatt aaaatgttta 600
tgggtttata tgagggtagg aaatcttaac tgctttgggg ggtattgttt ataggctttt 660
tgttatgggg ccggtagttt tttaataggg ggattgcccc tttcnaccgt ttggggggccc 720
ggg                                              723
```

&lt;210&gt; 390

&lt;211&gt; 1046

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 390

```
cgggtcgacc cacgcgtccg gtccaccaca ggcaccgcag ctcatctacc aggaatatgt 60
gaaccagcca gatgttcggc cccagccccc ttcgcccga gagggccctc tgccgtgctgc 120
ccgacctgct ggtgccactc tggaaagggc caagactctc tccccaggga agaattgggg 180
cgtcaaagac gtttttgcct ttgggggtgc cgtggagAAC cccgagtact tgacacccca 240
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acctacggca gagaaccagc agtacctggg tctggacgtg ccagtgtgaa ccagaaggcc 420
aagtccgcag aagccctgat gtgtcctcag ggagcaggga aggcctgact tctgctggca 480
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cctaaggaac ctctcttctt gcttgagttc ccagatggct ggaaggggtc cagcctcggt 600
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aggttccagt ggatgccaca gccagcttg gccctttcct tccagatcct gggactgaa 720
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gttttgtttt tttaaagatg aaataaaagc ccagggggag aatgggtgtt gtatggggag 960
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acaaaaaaaa aaaaaaaaaa aaaaaa
                                              1046
```

<210> 391

<211> 699

<212> DNA

<213> Homo sapiens

<400> 391

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tcttcgcctt agtactcgtg tgaagttggc ggggacgggt cctgtcatct tcttgggctt 120
atttggtgtg ctggtgaagg ggggagacta gagaaatggc agggaaacct ttatccgggg 180
caggtaggcg cctgtgggac tgggtgcctc tggcgtgcag aagcttctct cttggtgtgc 240
ctagattgat cgggtataagg ctcaactctc cgcccccaa agtggttgat cgttggaacg 300
agaaaagggc catgttcgga gtgtatgaca acatcgggat cctgggaaac tttgaaaagc 360
accccaaaga actgatcagg gggcccatat ggcttcgagg ttggaaaggg aatgaattgc 420
aacgttgtat ccgaaagagg aaaatggttg gaagtagaat gttcgctgat gacctgcaca 480
accttaataa acgcattccg tatctctaca aacactttaa ccgacatggg aagtttcgat 540
agaagagaaa gctgagaact tcggaagagg ctcatctgtc accctggaga agggaaactg 600
tacttttccc tgtgaggaaa cggctttgta tttctctgt aataaaatgg ggcttctttg 660
gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagtcgacc 699
```

<210> 392

<211> 1545

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<400> 392

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ccggactcgg acgcgtggta gccccaggat gggtaggttc aacgagaaga agacaacatg 120
tggcaccgtt tgcctcaagt acctgctgtt tacctacaat tgctgcttct ggctggctgg 180
cctggctgtc atggcagtgg gcattctggac gctggccctc aagagtgact acatcagcct 240
gctggcctca ggcacctacc tggccacagc ctacatctct gtggtggcgg gcactgtcgt 300
```

```

catggtgact ggggtcttgg gctgctgcgc caccttcaag gagcgtcggg acctgctgcg 360
cctgtacttc atcctgctcc tcatcatctt tctgctggag atcatcgctg gtatcctcgc 420
ctacgcctac taccagcagc tgaacacgga gctcaaggag aacctgaagg acaccatgac 480
caagcgctac caccagccgg gccatgaggc tgtgaccagc gctgtggacc agctgcagca 540
ggagttccac tgctgtggca gcaacaactc acaggactgg cgagacagtg agtggatccg 600
ctcacaggag gccggtggcc gtgtggtccc agacagctgc tgcaagacgg tgggtggctct 660
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catgtgcctc tgccggggcag ggcttccctg gttttgtaca ctgctgtacc cagatgccta 1440
caaccatccc tgccacatac aggtgctcaa taaacacttg tagagcagaa aaaaaaaaaa 1500
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1545

```

<210> 393

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (748)

<223> n equals a,t,g, or c

<400> 393

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tgaaccggyc caggtcggaa acggagcagt tttccttgag cggagattca ggtttttcag 180
gtgggtcttg tgagctgggg tctttacaac ccctgccttg gctctgctga caaaaactcc 240
cgaaaaggg cccctcgtag caaggtcccg ccgccacgag actttcacat caatctcttc 300
cgcatgcagc cctggctgag gcagacctg ggggatgtcc tgaatttttt acccctctag 360
ccatggccac tgagccctct gctgccctgc cagaatctgc cgccctcca tcttctacct 420
ctgaatggcc acccttagac cctgtgatcc atcctctctc ctagctgagt aaatccgggt 480
ctctaggatn ccagaggcag cgcacacaag ctgggaaatc ctacgggctc ctaccagcag 540
gactgcctcg ctgccccacc tcccgtcctt tggcctgtcc ccagattcct tccctggttg 600
acttgactca tgcttgtttc actttcacat ggaatttccc agttatgaaa ttaataaaaa 660
tcaatggttt ccacaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaana 749

```

<210> 394  
<211> 611  
<212> DNA  
<213> Homo sapiens

<400> 394  
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gtcccggtcg cgaggaggag gaggatgtgg cgcgcggagg ggaaatggct gccgaaaaca 120  
agccggaaga gcgtttccca aagtgtattc tgcggaaacta gcacctactg tgttctcaac 180  
accgtgccac ctatagaaga tgatcatggg aacagcaata gtagtcatgt aaaaatcttt 240  
ttaccgaaaa agctgcttga atgtctgccg aaatgttcaa gtttaccaaa agagaggcac 300  
cgctggaaca ctaatgagag atcatgatgc agccgtcctt ttggatttct ttttaataat 360  
gtgtgaccct tcacctttga tcccctgacc tgcattacct tggtaaccat ttcatttttt 420  
aatttaattt cattttttta ttttggtgta caagctgtaa catttcatct ttcaaagtgt 480  
aacacgctga tttcctcaaa tagagatacc cctttgagtg ataaatttgc aaaatgctgt 540  
cttcattttc tgtattaaaa ttcatttcag ttttaaaata aagtgtaatc tgtgttttca 600  
tcctttttaa a 611

<210> 395  
<211> 1856  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1851)  
<223> n equals a,t,g, or c

<400> 395  
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acccggccga cgggaccctt aaagtctctg ttctgtcggg gcagcccggc tccgccggcg 120  
gagccccggc cggccaggcc ctgccgctca tgggtgccagc ccagagaggg gccagcccgg 180  
aggcagcgag cggggggctg ccccaggcgc gcaagcgaca gcgcctcacg cacctgagcc 240  
ccgaggagaa ggcgctgagg aggaactga aaaacagagt agcagctcag actgccagag 300  
atcgaaagaa ggctcgaatg agtgagctgg aacagcaagt gtagatttta gaagaagaga 360  
accaaaaact tttgctagaa aatcagcttt tacgagagaa aactcatggc cttgtagtgt 420  
agaaccagga gttaagacag cgcttgggga tggatgccct ggttgctgaa gaggaggcgg 480  
aagcaagggg aatgaagtga ggccagtggc cgggtctgct gagtccgcag cactcagact 540  
acgtgcacct ctgcagcagg tgcaggccca gttgtcacc ctccagaaca tctccccatg 600  
gattctggcg gtattgactc ttcagattca gagtctgata tcctgttggg cattctggac 660  
aacttgacc cagtcatgtt cttcaaatgc cttccccag agcctgccag cctggaggag 720  
ctcccagagg tctaccaga aggaccagt tccttaccag cctccctttc tctgtcagtg 780  
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accaagcccc tagtcttaga gataccctct gagacagaga gccaaagctaa tgtggtagt 900  
aaaaatcgagg aagcacctct cagccccctc gagaatgatc accctgaatt cattgtctca 960  
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tcatccagcc actgccc aaa gccatcttcc tgcctactgg atgcttacag tgactgtgga 1080  
tacgggggtt ccctttcccc attcagtga atgtcctctc tgcctgggtg aaaccattct 1140  
tgggaggaca cttttgcca tgaactcttt cccagctga ttagtgtcta aggaatgatc 1200  
caatactgtt gcccttttcc ttgactatta cactgcctgg aggatagcag agaagcctgt 1260

```

ctgtacttca ttcaaaaagc caaaatagag agtatacagt cctagagaat tcctctatTT 1320
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tgagacatat tactggaagt aagaaatatt actataattg agaactacag cttttaagat 1440
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cttttgtagaa attatagaaa ttactatgt aaatgcttga tggaattttt tcctgctagt 1740
gtagcttctg aaagggtgctt tctccattta tttaaaacta cccatgcaat taaaaggtag 1800
aatgcaaaaa aaaaaaaaaa aaaaaaaacc ggggggsgcc ccggaaccaa nttccc 1856

```

<210> 396

<211> 2651

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2642)

<223> n equals a,t,g, or c

<400> 396

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gagccgaaga tggcagtgaa cgtatactca acgtcagtgga ccagtataaa cctaagtcga 180
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ctacaagcag gttttaagag aatgggtggt gacaaaataa ttctgtgga caaattagta 420
aaaggaaagt ttcaggacaa ttttgaattc gttcagtggt tcaagaagtt tttcgatgca 480
aactatgatg gaaaagacta tgaccctgtg gctgccagac aaggtcaaga aactgcagtg 540
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gcagctcccc agaggcccat ctcaacacag agaaccgctg cggctcctaa ggctggccct 660
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cagcaggtca acgtattgaa acttactgtt gaagacttgg agaaagagag ggatttctac 780
ttcggaagac tacggaacat tgaattgatt tgccaggaga acgaggggga aaacgaccct 840
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```

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angggacca a 2651

```

<210> 397

<211> 2507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2489)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2504)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2505)

<223> n equals a,t,g, or c

&lt;400&gt; 397

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&lt;210&gt; 398

&lt;211&gt; 1273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;



<221> misc feature  
<222> (1227)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1252)  
<223> n equals a,t,g, or c

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<211> 3774  
<212> DNA  
<213> Homo sapiens

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<210> 400

<211> 1522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1487)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1508)

<223> n equals a,t,g, or c

<400> 400

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ctccaaaatg gatcaaaaatg tttgttttgg atgaagcaga tgaaatgttg agccgtggnt 480
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<210> 401

<211> 1370

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1223)

<223> n equals a,t,g, or c

<400> 401

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<210> 402

<211> 1412

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1406)

<223> n equals a,t,g, or c

<400> 402

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<210> 403

<211> 1750

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<400> 403

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aacttttttc tacaatgtat ttgtttgcga gtaggacttg ggagtcattg ggaaaaaaaa 1680
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339

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<210> 404

<211> 1339

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1330)

<223> n equals a,t,g, or c

<400> 404

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tatccagcta tacttacttg cacagtggat tggagagaaa ggattctcca gtgtgcacac 1200  
tcacgggtac tctttctgca tttccctcgt gctgtgtccc gctcgggttc caatggacag 1260  
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<210> 405

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 405

```
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ttcactggct gtgggcctta tggcacagtc agtcaccagg ttagagacat gcttcacatt 120
cacctaccca caaactagtg gatgataaat tttggctatt cagaagacgt ttattatagg 180
agtatgtaga ttttccatag agtgctgtta tgtgacttga attttagtct cggccctgcc 240
tctgacattg tcggtggttt atcctggttc caggaaataa gactagcctt ttctcatga 300
tagtctttgg tggtttttaa aacagttggt taagtcaaca gatgtatcat atgcctgaca 360
ctgctctaca ccagtgaata atttacctc taataggggg tggtaactat aaagatgata 420
aacatagcat cttaattggn gtgtgtatga aggtggttgt tacctcttnc tagccacca 480
gg 482
```

<210> 406

<211> 1413

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<400> 406

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ggaattcggc acgaggtttg gtgggggttac acgcgggttc aacatgcgta tcgaaaagtg 120
ttatttctgt tcggggccca tctatcctgg acacggcatg atgttcgtcc gcaacgattg 180
caaggtgttc agattttgca aatctaaatg tcataaaaac tttaaaaaga agcgcaatcc 240
tcgaaaagtt aggtggacca aagcattccg gaaagcagct ggtaaagagc ttacagtggg 300
taattcattt gaatttgaaa aacgtagaaa tgaacctatc aaataccagc gagagctatg 360
gaataaaact attgatgcga tgaagagagt tgaagaaatc aaacagaagc gccaaagctaa 420
atttataatg aacagattga agaaaaataa agagctacag aaagttcagg atatcaaaga 480
agtcaagcaa aacatccatc ttatccgagc ccctcttgca ggcaaaggga aacagttgga 540
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tctgtaacca tttcttttat gtacatttga aaatgccctt tggatacttg gaactgctaa 660
attattttat tttttacata aggtcactta aatgaaaagc gattaaaaga catctttcct 720
gcattgccat ctacataata tcagatatta cggatgttag attgcatctc agtgttaaat 780
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aactaatggc aaaaattcat ggctagtgat gtataaaata aaatattctt tgcagtaaaa 960
tattcccttt gttaatgtta tagaaggggg gatacaaaaa ggaactaaca atttgatatg 1020
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```

cagtgtcaga tatttttatt ttagtatttc ctgttttggg ttatttgcat cttagaagag 1080
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ggtacctcgg ccgcgaccac gctaagccga att 1413

```

<210> 407

<211> 1693

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1548)

<223> n equals a,t,g, or c

<400> 407

```

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agggatcgt ggaggccttt ctggccgggg ctgtgaccag cgtgtccctg ctggtcaacg 180
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gagctccgcc cggaggtact gtgaggcgt tagagctggc ggtggatgac ttccgcattc 480
aaacactgga gccatcacac ggaagcacga ggagggtatc ctccggcagct actcccggtc 540
gctcaagggtg tctctcgtc gccctctagg tgcgggagga gctcagggcc caactaagct 600
gcttccggga gctgctgggc aggcycaccac gcacgcggac gggcaccagc actgcacgtr 660
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tcgagacagt tct 1693

```

<210> 408

<211> 1342

342

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1332)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 408

```
caggaaaaat ctggagattt acgaggctgt gacgtcccc cagggccccc ccatgacctg 60
gagcatgttt gctgtgggct ggatggagct gaaggacgca tgcgggnccc ggggcctcct 120
ggacaggagc tttgccaaca tggctgaacc cttcaagggtg tggacggaga atgcagacgg 180
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aggccccctg caccgctgtc agcctgagga attaaagctt tgggtgctggg aaaaaaaaaa 1320
aaaaaaaaaa anaaaaaac ca                                     1342
```

&lt;210&gt; 409

&lt;211&gt; 2417

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (680)

<223> n equals a,t,g, or c

<400> 409

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agcctggccc tttaggccag cccagtcac gggtctgag tgtggangct gcgtagcacc 120
aggaagcggc tctgctgagg ttcaaggggc cccagcacag tgtggcatcc gttcagcttt 180
tggttggtcc aggatggtgg ggagccaggc ctgggggctt cggagcaacc acccgagcag 240
acggagtaca cggagcagcg gccccggccc cgccaacgct gccgccggga tgctccagac 300
cttgatgat tacttctggt gggaacgtct gtggctgcct gtgaacttga cctggggccga 360
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cctggccttg ctcttcctca tcgttcgata ctctttgag ctgtacgtgg ctacaccact 480
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thtthtthtaaa attaaaagat taaataaaaa atattaaata aaacatggca ataagtgtca 2340
gactattagg aattgagaag ggggatcaac taaataaacg aagagagttc thtthttht 2400
aaaaaaaaa aaaaaaa 2417
```

<210> 410

<211> 1401

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1394)

<223> n equals a,t,g, or c

<400> 410

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aaccaacaaa tgtgccagcc aggcaggtat gacagcttac gggactagga ggcattctta 120
tgatcccaaa atgcaaactg acaaaccttt tgaccagacc acaattagtc tgcagatggg 180
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tgatcagaag ctaacattac agccggtgga caactcgaca atttccctac agatgggtac 300
caacaaagt gcttcccaga aaggaatgag tgtgtatggg cttgggaggc aagtatatga 360
tcccataatc tgtgctgctc ctacagaacc tgtcattcac aacggaagcc aaggaacagg 420
aacaatagg tgcgaaatca gtgatagtga ttatcaggca gaataccctg atgagtatca 480
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ttagatccac acagaaggag ctccagtattt agtcctttgt ttttattcag tgagaaccaa 600
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ttatatgtgt actcattctc ttacctagcg aacaagatct tttcagagtg gtgtttctaa 1140
aagagcatgt acaaaagtgg cctgtggaca tttaggcctg ggtgatgcat ttgctcttcc 1200
tgtttgtgcc aatgtatcaa tgtagagttg ctctgttttc ttcaactgta tttattgctg 1260
catttctcag cataaactta tcccattgta ttttttataa ataaatattt tttttgaact 1320
ttmaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380
aaaaaaaaaa gggnggccgt t 1401
```

<210> 411

<211> 3016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<400> 411

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ccggggctgg tgattggagg aaaccccgctg tctgcggacg gctgtagcct gtgagcagcg 120
agatccaggg acagagtctc agcctcgccg ctgctgccgc cgccgccgcc cagagactgc 180
tgagcccgtc cgtccgccgc caccacccac tccggacaca gaacatccag tcatggataa 240
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agcctgcatg aagtctgtaa ctgagcaagg agctgaatta tccaatgagg agaggaatct 360
tctctcagtt gcttataaaa atgtttagg agcccgtang tcatcttggg gggctgtctc 420
aagtattgaa caaaagacgg aaggtgctga gaaaaaacag cagatggctc gagaatacag 480
agagaaaatt gagacggagc taagagatat ctgcaatgat gtactgtctc ttttggaata 540
gttcttgatc cccaatgctt cacaagcaga gagcaaagtc ttctatttga aaatgaaagg 600
```

```

agattactac cgttacttgg ctgagggtgc cgctggtgat gacaagaaag ggattgtcga 660
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ctctcgtgcc gaattc 3016

```

&lt;210&gt; 412

&lt;211&gt; 958

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (930)

&lt;223&gt; n equals a,t,g, or c

<220>

<221> misc feature

<222> (934)

<223> n equals a,t,g, or c

<400> 412

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caaccctagt ccccgcgcg gccccttatt cgctccgaca agatgaaaga aacaatcatg 120
aaccaggaaa aactcgccaa actgcaggca caagtgcgca ttggtgggaa aggaactgct 180
cgcagaaaaga agaaggtggt tcatagaaca gccacagcag atgacaaaaa acttcagttc 240
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<210> 413

<211> 500

<212> DNA

<213> Homo sapiens

<400> 413

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<210> 414

<211> 3397

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<223> n equals a,t,g, or c

<220>

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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 3397

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&lt;210&gt; 415

&lt;211&gt; 2880

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 415

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<210> 416

<211> 1616

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1610)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1611)

<223> n equals a,t,g, or c

350

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1616)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 416

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&lt;210&gt; 417

&lt;211&gt; 1815

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (270)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1184)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 417

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<210> 418

<211> 1966

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<400> 418

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352

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&lt;210&gt; 419

&lt;211&gt; 2852

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2838)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2843)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 419

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<210> 420

<211> 2705

<212> DNA

<213> Homo sapiens

<400> 420

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<210> 421

<211> 1901

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1828)

<223> n equals a,t,g, or c

&lt;400&gt; 421

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&lt;210&gt; 422

&lt;211&gt; 2477

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 422

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<211> 777

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (759)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (764)

<223> n equals a,t,g, or c

<400> 423

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&lt;210&gt; 424

&lt;211&gt; 1649

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 424

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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1649

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&lt;210&gt; 425

&lt;211&gt; 1608

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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<222> (1598)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1600)  
<223> n equals a,t,g, or c

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<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature

&lt;222&gt; (1790)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1793)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 426

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&lt;210&gt; 427

&lt;211&gt; 770

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

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<220>  
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<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (618)  
<223> n equals a,t,g, or c

<400> 427  
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atattgatag tatattctat attatttcat agatctgtct gaaagagatt gggaacaaaa 240  
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<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (30)  
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<220>  
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<222> (38)  
<223> n equals a,t,g, or c

<220>  
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<222> (484)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 428

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ccatgaaggg ggtcagtcct acaagattgg tgacacctgg aggagaccac atgagactgg 240
tggttacatg ttagagtgtg tgtgtcttgg taatggaaaa ggagaatgga cctgcaagcc 300
catagctgag aagtgttttg atcatgctgc tgggacttcc tatgtggtcg gagaaacgtg 360
ggagaagccc taccaaggct ggatgatggg agattgtact tgcctgggag aargcagcgg 420
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<210> 429

<211> 1470

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

&lt;222&gt; (1454)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1462)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 429

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gtaagaacaa gctgcagcag ctgccagcag actttggcgg tctggtcaac ctccagcacc 480
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&lt;210&gt; 430

&lt;211&gt; 434

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 430

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gcctcaacaa cctc 434
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&lt;210&gt; 431

363

&lt;211&gt; 1823

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1804)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1805)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1815)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 431

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cccagattca cagtatggtg aacttattga aaagtacatt aaagaaggaa agattgtacc 360
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<220>  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

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&lt;210&gt; 433

&lt;211&gt; 2553

366

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2510)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2516)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 433

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cctggacggg gcggtgggct gcatgcccct gtgcagcatg gacgttcgtc tgcccagccc 240
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<210> 434

<211> 2532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2470)

<223> n equals a,t,g, or c

<400> 434

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cgggtccctca gcgcggcctc ctgcgccccg atctccttgc ccgcgcgcgc ctcccggagc 240
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aaaaaaaaaa aa 2532

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&lt;210&gt; 435

&lt;211&gt; 1822

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 435

```

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gattgagccg ggcccggccg gggcgccgag tcggaggggg tggcagtga cggcggcaga 120
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gtggtcctgg tgatcgtgct gacaggctcc attgtagcta tcgcctacct gtgtgtcctg 480
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aagccagccc gaaacacacca ctgcagcatc tgcaacaggt gtgtgctgaa gatggatcac 720
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tttggggggg ggggcccgt ta 1822

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&lt;210&gt; 436

&lt;211&gt; 1030

<212> DNA

<213> Homo sapiens

<400> 436

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ttaaagcctg gtgctcacc actgtccaac cagatgcctt gcttaccgaa agcctccaga 960
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aaaaaaaaagt                                     1030
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<210> 437

<211> 1632

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1602)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1616)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1617)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1628)

<223> n equals a,t,g, or c

<400> 437

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<210> 438

<211> 1016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (993)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (994)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (995)

<223> n equals a,t,g, or c

<400> 438

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```

<210> 439

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (531)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c

<400> 439

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aaggaaaaac aggtcttcat cgaatctact aattccacac cttttaaaaa tttttnggga 480
acccaaccca aagggtaaaa aaaaaaaaaa atttgggnt ttttttggn naaaggggna 540
aaaaaaattt ttcccccccc ccccaaaaaa aaaaaaaaat tttttttttt tttt 594
```

<210> 440

<211> 1580

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (873)

<223> n equals a,t,g, or c

<400> 440

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cccggggcca tgctgcctgc agccacagcc tcctcctctg ggccccctct cactgcctgc 180
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ttcgtgggt ctggacttc cggccagcgg ctcggacgct tttgtgggac cttccggcct 480
gcgcccctag tcgcccccg caaccagggt accctgagga tgacgacgga tgagggcaca 540
ggaggacgag gcttcctgct ctggtacagc gggcgggcca cctcgggcac tgagcacc 600
ttttgcggg ggcggctgga gaaggcccag ggaaccctga ccacgccc 660
tccgattacc ccccgggcat cagctgttcc tggcacatca tcgcgcccc ggaccaggtc 720
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gtcagcgtgt tcaacggagc cgtgagcgac gactcccgga ggctggggaa gttctgcggc 840
gacgcaktcc cgggtccat ctccctcgaa ggnaatgaac tcctcgtcca gttcgtctca 900
gatctcagt tcaccgtga tggcttctca gcctcctaca agaccctgcc gcggggcact 960
gcaaagaag ggcaagggcc cggcccaaa cggggaactg agcctaaagt caagctgcc 1020
cccaagtccc aacctccgga gaaaacagag gaatctcct cagcccctga tgcaccacc 1080
tgcccaaaag agtgccgccg gacaggcacc ttgcagagca acttctgtgc cagcagcctt 1140
gtggtgactg cgacagtga gtccatggtt cgggagccag gggagggcct tgccgtgact 1200
gtcagctcta ttggtgctta taaaactgga ggactggacc tgccttctcc acccactgg 1260
gcctccctga agttttacgt gccttgcaag cagtgcccc ccatgaagaa aggagtca 1320
tatctgctga tgggcccagg agaagagaac agaggcccc tccttcctcc agagagctt 1380
gtggttctcc accgccc 1440
```



373

```
ccctctcaac ctgtgcgggc tgctgcgtcc caggactgag acgcaggcca gccccggccc 1500
ctagccctca ggccttcttt cttatccaaa taaatgtttc ttaatgagga atgggtcaga 1560
tctccatgct tatggtaaaa 1580
```

```
<210> 441
<211> 1082
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (1074)
<223> n equals a,t,g, or c
```

```
<400> 441
ctgccgagcg cctcttgagg ctgggctttc ccccgcggtg cgcgccagc agccgccttt 60
tccgctgggt gtcaactcggg ggtggggaag atggccatt caaaagcgcc gcgagggggc 120
ccggccagtg cccttnagtg agcgctcgca agaggacggc agaggcccg cagctcggag 180
ctccgggacc ttgtggcgca tcaggacgag gctgtccctc tgccgggacc cagagccgcc 240
gccgccgctc tgccctctgc gtgttagcct cctctgcgag ctccgggcag gcggccgtgg 300
gagccgctgg ggcgaggacg gcgcgagget gctgctgctg ccccgggccc gcgcggctgg 360
aaacggagag gccgagccaa gcggcgggcc ctcttatgct gggaggatgc tggagagtag 420
cggctgcaaa gcgctgaagg agggcggtgct ggagaagcgc anacngggtt gttgcagctc 480
tggaagaaaa agtggtgcat cctcaccgag gaagggtgc tgcttatccc gcccaagcag 540
ctgcaacacc agcagcagca gcaacagcag cagcagcagc agcaacaaca gcccgggcag 600
gggcccggcg agccgtccca acccagtggc cccgctgtcg ccagcctcga gccgccggtc 660
aagctcaagg aactgcactt ctccaacatg aagaccgtgg actgtgtgga gcgcaagggc 720
aagtacatgt acttcaactg ggtgatggca gagggcaagg agatcgactt tcggtgcccc 780
caagaccagg gctggaacgc cgagatcacg ctgcagatgg tgcagtacaa gaatcgtcag 840
gccatcctgg cgggtcaaat caccgcgagc aagcagcagc acctggtcca gcagcagccc 900
ccctcgagc cgagcccgca gccgcagctc cagccccaac cccagcctca gcctcagccg 960
caacccagc cccaatcaca accccagcct cagccccaac ccaagcctca gccccagcag 1020
ctccamccgt atycgatyc amattcamat ycamaatctt atccttmatt tggnaaccaa 1080
aa 1082
```

```
<210> 442
```

&lt;211&gt; 1241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 442

```
agacgagcgt ggcggccgcg gctgctcggg gccgcgctgg ttgccattg acagcggcgt 60
ctgcagctcg cttcaagatg gccgcttgct cgcattcatt ttctgctgaa cgacttttaa 120
ctttcattgt cttttccgcc cgcttcgatc gcctcgsgcc ggctgctctt tccgggattt 180
tttatcaagc agaaatgcat cgaacaacga gaatcaagat cactgagcta aatccccacc 240
tgatgtgtgt gctttgtgga gggacttca ttgatgccac aaccataata gaatgtctac 300
attccttctg taaaacgtgt attgttcgtt acctggagac cagcaagtat tgcctattt 360
gtgatgtcca agttcacaag accagaccac tactgaatat aaggtcagat aaaactctcc 420
aagatattgt atacaaatta gttccagggc ttttcaaaa tgaaatgaag agaagaagg 480
atthttatgc agctcatcct tctgctgatg ctgccaatgg ctctaataa gatagaggag 540
aggttgcaga tgaagataag agaattataa ctgatgatga gataataagc ttatccattg 600
aattccttga ccagaacaga ttggatcgga aagtaaaca agacaaagag aaatctaagg 660
aggaggtgaa tgataaaaga tacttacgat gccagcagc aatgactgtg atgcacttaa 720
gaaagtctct cagaagtaaa atggacatac ctaatacttt ccagattgat gtcattgatg 780
aggaggaacc tttaaaggat tattatacac taatggatat tgcctacatt tatacctgga 840
gaaggaatgg tccacttcca ttgaaataca gagttcgacc tacttgtaaa agaatgaaga 900
tcagtcacca gagagatgga ctgacaaatg ctggagaact ggaaagtga tctgggagt 960
acaaggccaa cagcccagca ggaggtattc cctccacctc ttcttggttg cctagcccca 1020
gtactccagt gcagtctcct catccacagt ttctcacat ttccagtact atgaatggaa 1080
ccagcaacag cccagcgggt aaccaccaat cttcttttgc caatagacct cgaaaatcat 1140
cagtaaatgg gtcatcagca acttcttctg gttgatacct gagactgtta aggaaaaaaa 1200
aaaaaaaaa accccggccg ctcccacttc agattggtaa c 1241
```

&lt;210&gt; 443

&lt;211&gt; 968

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 443

```
cccacgcgtc cgcaggaagc caactatttg aaatgcacga gaaactaagt tgtatggcaa 60
actctgtaat aaaaaatcta cagtcacgtt ggagatcacc atcccatgaa aattctattt 120
agtattttca gagaaaattg aaggttttt taaacatcac tggatttctt gattgaggaa 180
acaagtcttg aaataatagc acaatttcaa agaagagact ctttgcaaa ttgataacat 240
ttcaaacctt gaaggacagt gacttattat gtwagttcaa tkttgtaagt ycattatgtw 300
agatcctttt tttttttcat aatatgtatt cttggctgct atgcgtggtt tttcaggaaa 360
tttaattatc ttactgagat gtgaaagcaa aactagtaac agaacttaca ttttatttca 420
tgctttctta aaccctgtga tattctggtg aaacatgtaa aatacttta gtaaaattga 480
acatttttat ttgaattttt gctgaactga taaagggtgt tataattttg tttgttkgtt 540
tgtttaattc atgtttgttg ggactgaggt ttaggaagtt tgttactggt taaaaacctc 600
aaatgaaatg cgaaagaatt tgaatttttc ctgcatatgt caactttgga cagctttcaa 660
gaaaaatgag aaaagtttca acttctggcg gttaaaatat taatgcagaa ttactaaga 720
ttttattcat ttgcattagc aaatattcat gcagcagcag ttgactgaaa atttattctt 780
atgagacgta tagtattcat ttttaaatgc atgattgtac attatgtata gacgacaatg 840
tttttaattt ataaatttca ttctttgtta attgcatggg tttttctgca gcttattgtg 900
aataccttgg ttctgttcaa tagaaacatt ttgtatatat traatactga aatatcaaaa 960
aaaaaaaaa 968
```

<210> 444  
<211> 1360  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<400> 444  
cgccggagcg tcattctgcga ctccaatgcc actgcaactgg agcttcccg ccttcctctt 60  
tccttgcccc agcccagcat ccccggggct gtcccgcaga gtgctccacc gganccccac 120  
cggaagaga ccgtgaccgc caccgccact tcccaggtag cccagcagcc tccagccgct 180  
gccgcccctg gggaacaggc cgtcgcgggc cctgcccctc gactgtcccc agcagtacca 240  
gcaaagaccg cccagtgtcc cagcctagcc ttgtggggag caaagaggag ccgccgccgg 300  
angaaagtgg cagcggcggc gcaagcgcmn aaggagccac aggaggaacg gagccagcag 360  
caggatgata tcgaagagct ggagaccaag gccgtgggaa tgtctaacga tggccgcttt 420  
ctcaagtttg acatcgaaat cggcagaggc tcctttaaga cggctctaca aggtctggac 480  
actgaaacca ccgtggaagt cgctgggtgt gaactgcagg atcgaaaatt aacaaagtct 540  
gagaggcaga gatttaaaga agaagctgaa atgttaaaag gtcttcagca tcccaatatt 600  
gttagatttt atgattcctg ggaatccaca gtaaaaggaa agaagtgcatt tgttttggtg 660  
actgaactta tgacgtcttg aacacttaaa acgtatctga aaaggtttaa agtgatgaag 720  
atcaaagttc taagaagctg gtgccgtcag atccttaag gtcttcagtt tcttcatact 780  
cgaactccac ctatcattca ccgcgatctt aaatgtgaca acatctttat caccggccct 840  
actggctcag tcaagrttg agacctcgt ctggcaaccc tgaagcgggc ttcttttgcc 900  
aagagtgtga taggtacccc agagtctatg gcccctgaga tgtatgagga gaaatatgat 960  
gaatccgttg acgtttatgc ttttgggatg tgcattgctg agatggctac atctgaatat 1020  
ccttactcgg agtgccaaaa tgctgcgcag atctaccgtc gcgtgaccag tggggtgaag 1080  
ccagccagtt ttgacaaagt agcaattcct gaagtgaagg aaattattga aggatgcata 1140  
cgacaaaaca aagatgaaag atattccatc aaagacctt tgaacctgc cttcttccaa 1200  
gaggaaacag gagtacgggt agaattagca gaagaagatg atggagaaaa aatagccata 1260  
aaattatggc tacgtattga agatattaag aaattaaagg gaaaatacaa agataaaaaa 1320  
aaaaaaaaa aaaaaaaaaa aaaaaacacc caccgtgccg 1360

<210> 445  
<211> 1835  
<212> DNA  
<213> Homo sapiens

<220>

<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1738)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1747)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1758)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1801)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1806)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1831)  
<223> n equals a,t,g, or c

<400> 445  
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cttgccaag ctgcaggga tttgggggat gtgggacctc caattcccag ccccggttc 120  
agctctttcc caggtgttga ctccagctcc agcttcagct ccagctccag gtcgggctcc 180  
agctccagcc gcagcttagg cagcggaggt tctgtgtccc agttgttttc caatttcacc 240  
ggctccgtgg atgaccgtgg gacctgccag tgctctgttt ccctgccaga caccamcttt 300  
cccgtggaca gagtggaaacg yttggaatt cacagctcat gttctttctc agaagtgtga 360  
gaaagaactt tccaaagtga gggaatatgt ccaattaatt agtgtgtatg aaaagaaact 420  
gttaaaccta actgtccgaa ttgacatcat ggagaaggat accatttctt acactgaact 480  
ggacttcgag ctgatcaagg tagaagtga ggagatggaa aaactgggtca tacagctgaa 540  
ggagmstttt ggtggaagct cagaaattgt tgaccagctg gaggtggaga taagaaatat 600  
gactctcttg gtagagaagc ttgagacact agacaaaaac aatgtccttg ccattcgccg 660

```
agaaatcgtg gctctgaaga ccaagctgaa agagtgtgag gcctctaaag atcaaaacac 720
ccctgtcgtc caccctcctc ccactccagg gagctgtggt catggtggtg tggtgwacat 780
cagcaaaccg tctgtggttc agctcaactg gagagggttt tcttatctat atggtgcttg 840
gggtagggat tactctcccc agcatccaaa caaaggactg tattgggtgg cgccattgaa 900
tacagatggg agactgttgg agtattatag actgtacaac aactggatg atttgctatt 960
gtatataaat gctcgagagt tgcggatcac ctatggccaa ggtagtggtg cagcagttta 1020
caacaacaac atgtacgtca acatgtacaa caccgggaat attgccagag ttaacctgac 1080
caccaacacg attgctgtga ctcaaactct ccctaagtgt gcctataata accgcttttm 1140
atatgcta atgtgcttggc aagatattga ctttsctgtg gatgagaatg gattgtgggt 1200
tattttattca actgaagcca gcactggtna catggtgatt agtaaactca atgacaccac 1260
acttcagggtg ctaaacactt ggtataccaa gcagtataaa ccactctgctt ctaacgcctt 1320
catggtatgt ggggttctgt atgccacccg tactatgaac accagaacag aagagatttt 1380
ttactattat gacacaaaca cagggaaaga gggcaaaacta gacattgtaa tgcataagat 1440
gcaggaaaaa gtgcagagca ttaactataa cccttttgac cagaaaacttt atgtctataa 1500
cgatggttac cttctgaatt atgatctttc tgtcttgcat aagccccagt aagctgttta 1560
ggagttaggg tgaaagagaa aatgtttgtt gaaaaaatag tcttctccac ttacttagat 1620
atctgcaggg gtgtctaaaa gtgtgttcat tttgcagcaa tgtttargtg catagttcta 1680
ccactagat gatctaggac atttgtcttg atttggtgag tctcttgggg atcatctngc 1740
ytttcangcg cmttttgnca taaagtcygt cyaggggtggg attgtcagag gtctaggggc 1800
ncttgnnggc ctaatggaac ccttctgtga ngaag 1835
```

<210> 446

<211> 1355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<400> 446

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ggcacgagcg cgtcgcacgg gaagtcgaag cggagatccc ggggtcgcgc gaganccgca 60
agcggagttg gtgggcgcta tgctatcacc cgaggcagag cgagtgtctg ggtaccttgt 120
agaagtggag gagctcgccg aggaggtgct ggcggacaag cggcagattg tggacctgga 180
cactaaaagg aatcagaatc gagaggcctg gagggccctg cagaaggatc tcagcctctc 240
tgaaagatgtg atggtttgct tcgggaacat gtttatcaag atgcctcacc ctgagacaaa 300
ggaaatgatt gaaaaagatc aagatcatct ggataaagaa atagaaaaac tgcggaagca 360
acttaaagtg aagggtcaacc gcctttttga ggcccaaggc aaaccggagc tgaagggttt 420
taacttgaac cccctcaacc aggatgagct taaagctctc aagggtcatct tgaaaggatg 480
agactcaaga accaagatgg gggaccagca acccccagag gtcatggagg acccaggacc 540
ctccaacctt gacacctgta aggacaggat ctgccctgta agggccagcc gtcaggaatc 600
tggccatgaa aacctctttg tagtgcttgg ctactctgtg atggcaggag ggaaccttca 660
gcctgtcttg ctgctggacc tggacaccag ggctcgggtg acacaagatc tattgacggg 720
ccttggtagc caccagtggg tgtgtggggc agtggtgtgt ggggtgtaag aatgactgca 780
acaggcactt cccaacaatg gcctgtgtgt cacatggacc ctgagcaagg aaggaggagg 840
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ctggtgccat gcgattggaa taaagcagga ggctcatggg tggttgctga atgaagaaca 960
gaatcttggg gctttgtggc tcaccacagc catctgtggg gcaggcacac acacctccc 1020
ccagctccaa ttttgcactt tttccctgct tgattccaag agtaggtgct gcctagcagc 1080
ccttcgtggc cactctttac tcaggagggc cttgcagagt cctgcaccag gcctgggtga 1140
```

378

```
gtggatgcgc ctcttaccat atgacacgtg tcaagatgcc cttccgcccc ctctgaaagt 1200
ggggcccggc cagcactgct cgttactgtc tgccttcagt ggtctgaggt cccagtatga 1260
actgccgtga agtcaaaact cttatgtgtt cattaagggc tcaataaatg ttagctgaat 1320
gaawaaaaaa aaaaaaaaaa amawaaaaaa aaaaaa 1355
```

<210> 447  
<211> 375  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

```
<400> 447
tgcctctgtg tgtgtgcaag acagagagat aggctatttg tcaagtcagc tagttgccta 60
ggtatctttg tctcacatct ggctgtttcc tcctagagaa ccatccagtt ggctttccag 120
gtctggaggt gagctaattg atgagtgaat atnagcagtg ggtgttcctc atctctttga 180
ggatttgcct cagagttcac taccaaggga tttctggaac taggwgccat tctttacatc 240
agttcttgag ggttctttga tatcaggggc aaaatgatcc cttctctttt ctttcttata 300
tcctgtgctt tgnctcctgg gtgatttctc ttcaagtcag ttgtgggagg tgcctaggaa 360
caacgctaac acggg 375
```

<210> 448  
<211> 1393  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1383)  
<223> n equals a,t,g, or c

```
<400> 448
tcttttacat gtttaaattt aaaccattct tcgtgacccc ttttcttggg agattcatgg 60
caagaacgag aagaatgatg gtgcttggtt ggggatgtcc tgtctctctg aactttgggg 120
tcctatgcat taaataattt tcctgacgag ctcaagtgtc cctctgtgtc tacaatccct 180
ggcggtggc cttcatccct tgggcaagca ttgcatacag ctcatggccc tccctctacc 240
ataccctcca ccccggttcg cetaagctcc cttctccggg aatttcatca tttcctagaa 300
cagccagaac atttgtgggtc tatttctctg ttagtggtta accaaccatc tgttctaaaa 360
```

```

gaagggctga actgatggaa ggaatgctgt tagcctgaga ctcaggaaga caacttctgc 420
agggtcactc cctggcttct ggaggaaga gaaggagggc agtgctccag tggtagagaa 480
gtgagacata atggaatcag gcttcacctc caaggacacc tatctaagcc attttaaccc 540
tcgggattac ctagaaaaat attacaagtt tggttctagg cactctgcag aaagccagat 600
tcttaagcac cttctgaaaa atcttttcaa gatattctgc ctagacggtg tgaagggaga 660
cctgctgatt gacatcggtc ctggcccccac tatctatcag ctctctctctg cttgtgaatc 720
ctttaaggag atcgctcgtc ctgactactc agaccagaac ctgcaggagc tggagaagtg 780
gctgaagaaa gagccagagg cctttgactg gtccccagtg gtgacctatg tgtgtgatct 840
tgaagggaac agagtcaagg gtccagagaa ggaggagaa ttgagacagg cggtaagca 900
ggtgctgaag tgtgatgtga ctgagagcca gccactgggg gccgtcccct taccctcggc 960
tgactgcgtg ctgagcacac tgtgtctgga tgccgcctgc ccagacctcc ccacctactg 1020
cagggcgtc aggaacctcg gcagcctact gaagccaggg ggcttcctgg tgatcatgga 1080
tgcgctcaag agcagctact acatgattgg tgagcagaag ttctccagcc tccccctggg 1140
ccgggaggca gtagaggctg ctgtgaaaga ggctggctac acaatcgaat ggtttgaggt 1200
gatctcgcaa agttattctt ccaccatggc caacaacgaa ggacttttct ccctgggtgc 1260
gaggaagctg agcagacccc tgtgatgcct gtgacctcaa ttaaagcaat tcctttgacc 1320
tgtcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380
aanaaaaaaa aaa 1393

```

<210> 449

<211> 1663

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 449

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aaagaacggg ggtgatgtgg ttccacaata ttacaaggac cccaaaaagc tctgcgnaga 60
ggacttgag aagttggtga ccagggtaaa agtaggcagc gagccagcaa aagactgttt 120
gccagcaaag ccctcagagg ccacctcaga ccggtcagag ggcagcagcc gggacgcagn 180
ggtagcgacg agaacgagga gtcgagcggt gtggattacg tggaggtgac ggtcggggag 240
gaggatgcga tctcagatag atcagatagc tggagtcagg ctgcggcaga aggtgtgtcg 300
gaactggctg aatcagactc cgactgcgtc cctgcagagg ctggccaggc ctagacaggg 360
aagtctgtta gaactgctgt gctgatcaac gggacgctcc gtctttgaag aaagaagaga 420
tggctctctc ccagccatgg gccacccttg ccagtractc caagtgaac tacttagctc 480
gcgtgtgcct ggarggtgcg ggaagtccag cgactctcag acgcacctcc cagaggaccg 540
gtgggaattg ttcatagtgc caaagtccta mtactgcgtt ttcaatgggt ccttgtagat 600
agtttgctcc tctgscctag ncctcacctc ttgctatact ggraccgatt tgtacaatgt 660

```

```
gggaattttg ttaccytttt aatcaagggc aacttccttt tccagcacta ccattgtaag 720
gttkttttca ggaggagggg staaccacct tgcttttctc tttctctctt ttcttttttt 780
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&lt;210&gt; 450

&lt;211&gt; 1380

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 450

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&lt;210&gt; 451

&lt;211&gt; 926

&lt;212&gt; DNA



<213> Homo sapiens

<220>

<221> misc feature

<222> (687)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (865)

<223> n equals a,t,g, or c

<400> 451

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<210> 452

<211> 1642

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1608)

<223> n equals a,t,g, or c

<400> 452

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&lt;210&gt; 453

&lt;211&gt; 2254

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 453

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gagtttgatt ataaaaaaaa aaaaaaaaaa aaaa 2254

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&lt;210&gt; 454

&lt;211&gt; 1931

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 454

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<210> 455

<211> 771

<212> DNA

<213> Homo sapiens

<400> 455

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<210> 456

<211> 1169

<212> DNA

<213> Homo sapiens

<220>

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<222> (1164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1167)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1169)

<223> n equals a,t,g, or c

&lt;400&gt; 456

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```

&lt;210&gt; 457

&lt;211&gt; 3249

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3234)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 457

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<210> 458

<211> 1916

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

&lt;222&gt; (1902)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 458

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&lt;210&gt; 459

&lt;211&gt; 2773

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 459

```

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cgcgatctag aac 2773

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&lt;210&gt; 460

&lt;211&gt; 2031

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 460

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tgtggcattt gggcgctgtt tggcagtgat gattgccttt ctgttcagtg tctgagtgt 240
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<210> 461

<211> 1839

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1832)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1839)

<223> n equals a,t,g, or c

<400> 461

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<210> 462

<211> 779

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (731)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (737)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (759)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (762)

<223> n equals a,t,g, or c

<400> 462

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<210> 463

<211> 1717

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<400> 463

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<210> 464

<211> 828

<212> DNA

<213> Homo sapiens

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<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (819)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (827)

<223> n equals a,t,g, or c

<400> 464

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gaagccgaag aagcctgtct gtggggtgtg tcgcagcgct ctggcacctg gcgtccgagc 240
cgtggagctc gagcggcaga tcgagagcac agagacttct tgccatggct gccgtaagaa 300
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ctcgatgccc tggggagacc ccaactaccg cagcgccaac ttcagagagc acatccagcg 600
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gaaacaggtg ttgcagcgct ccatcatcga ccagtgaagc gagtccgtgc ttgctatctg 720
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gggggggnccc gggtacccca atttcggccc tattaggtna agtcgtna 828

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<210> 465

<211> 1173

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1171)

<223> n equals a,t,g, or c

<400> 465

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gcgttttcagg cccttgntca ctcaatgacc tccagttctt tagatacaac agtaaagaca 180
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1173

<210> 466

<211> 521

<212> DNA

<213> Homo sapiens

<400> 466

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tgctggacat gtcctacgag cagctgatgc agctgtacag tgcgcgccag gcggcggctg 180  
aaccggggcc tgcggcggaa gcagcactcc ctgctgaagc gcctgcgcaa ggccaagaag 240  
gagggcggcg ccatggagaa gccggaagtg gtgaagacgc acctgcggga catgatcatc 300  
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gagatcaagc ccgagatgat cggccactac ctgggcgagt tctccatcac ctacaagccc 420  
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<210> 467

<211> 1428

<212> DNA

<213> Homo sapiens

<400> 467

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<210> 468

<211> 3463

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1187)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 468

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ggagccatgg ccaccgctaa cggggccgtg gaaaacgggc agccggacag gaagccgccg 120
gccctgccgc gccccatccg caacctggag gtcaagttca ccaagatatt tatcaacaat 180
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caggttgcct tccagagggg ctcgccatgg cgccggctgg atgccctgag tcgtggggcg 360
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catggaactt cccctgctg atgctggtgt ggaagctggc acccgccctc tgctgtggga 660
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gaatgataaa ataaaattgg atatttgaga aaaaaaaaaa aaa 3463
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&lt;210&gt; 469

&lt;211&gt; 621

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 469

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aaaaaaaaaa aaaaaaaaaa a
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&lt;210&gt; 470

&lt;211&gt; 1833

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (126)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (386)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



<221> misc feature  
<222> (524)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1798)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1812)  
<223> n equals a,t,g, or c

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<210> 471  
<211> 3202  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (4)  
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<222> (3160)  
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<220>  
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&lt;210&gt; 472

&lt;211&gt; 941

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (927)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 472

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gttccaagtg ccccttactg acccgagaga cgtcattgcc gcagagggac ctatggggcg 60
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&lt;210&gt; 473

&lt;211&gt; 1279

400

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1273)  
<223> n equals a,t,g, or c

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<211> 3209  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

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402

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<211> 833  
<212> DNA  
<213> Homo sapiens  
  
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<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<400> 475  
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<210> 476  
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<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 476

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g 1141
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&lt;210&gt; 477

&lt;211&gt; 1102

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 477

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404

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&lt;210&gt; 478

&lt;211&gt; 4201

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4077)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4161)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4186)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 478

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c 4201

&lt;210&gt; 479

&lt;211&gt; 787

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc feature

<222> (780)

<223> n equals a,t,g, or c

<400> 479

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tgaggttgt agtaccgccc ccagagccaa ttttccactt ccgktccgg cgctgcggca 180
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tgtgtacctg aagtcgcacc acggagagca cgagagaccg gagttcatcg cctaccccca 420
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ccctcatgtg aatccaacttc caactggcta cgaagatgaa taaagagaat ctggaccact 540
acccgggcac cagggaccac agcactggtt tggaccgtta ctctgcacat ggaccagaaa 600
aagtatatgg gaccttaagc tcaccttctt tacttgatc aaatgatgac tgggtacttg 660
gtctcccatc cttttgcttg tggcaggaga tggtttaaataa aayttaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaactn 780
ggggccg 787
```

<210> 480

<211> 731

<212> DNA

<213> Homo sapiens

<400> 480

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ccccagcag cccctccacc cctgcatgtt ccgctggcc actgcctact ccacgctcca 180
gctggtcacc aaccctacc aggccaccat tgatggagtc agatttttgg ggacatcagg 240
acagaacgtg agtgacattt tccgatacag cagcatggag gatcacttgg agatcctgga 300
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cacccccagc tttggtcca aaatcatccg aggtcctgag gaccagacag tgctgttgg 480
gactgtccct gacttcagt ccacgcagac cgcctgcctt gtgaacctgc gcagcctggc 540
ctgccagccc atcagcttct cgggcttcgg ggcagaggac gatgacctgg gaggccttgg 600
ctgggcccct gactcaaaaa agtgggtttt accagagagg ccagatgga ggctgttcat 660
tccctgcagt gtcggcattg taaataaagc ctgagcactt gctgatgcga aaaaaaaaaa 720
aaaaaaaaaa a 731
```

<210> 481

<211> 1119

<212> DNA

<213> Homo sapiens

<400> 481

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ccccagtc cccacccgc gcgtggcggc gccggtccc tagccaccgs ggccccacce 180
tcttccggcc tcagctgtcc gggtgcttt cgcctccgcc tgtggatget gcgcctctcc 240
gaacgaaca tgaaggtgct ccttgccgcc gccctcatcg cggggtccgt cttcttccgt 300
```

```

ctgctgccgg gaccttctgc ggccgatgag aagaagaagg ggcccaaagt caccgtcaag 360
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ggaaagactg ttccaaaaac agtggataat tttgtggcct tagctacagg agagaaagga 480
tttggctaca aaaacagcaa attccatcgt gtaatcaagg acttcatgat ccagggcgga 540
gacttcacca ggggagatgg cacaggagga aagagcatct acggtgagcg cttccccgat 600
gagaacttca aactgaagca ctacgggcct ggctgggtga gcatggccaa cgcaggcaaa 660
gacaccaacg gctcccagtt cttcatcacg acagtcaaga cagcctggct agatggcaag 720
catgtggtgt ttggcaaagt tctagagggc atggaggtgg tgcggaagggt ggagagcacc 780
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ctggcatctg gtggagcggg cccactcccc tcacattcca caggcccatg gactcacttt 1020
tgtaacaaac tcctaccaac actgaccaat aaaaaaaaaa gtgggttttt ttttttttta 1080
ataaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagg 1119

```

<210> 482

<211> 2056

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 482

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gcgcccgggc ccgcgacccc cgcacccagc tccgcagacc ggcgggcgcg cgcgggctct 120
ggaggccacg ggcattgnatg cttcgggtcc tgggtggggc tgtcctccct gccatgctac 180
tggctgcccc accacccatc aacaagctgg cactgttccc agataagagt gcctgggtgcg 240
aagcaagaac atcacccaga tcgtgggcca cagcggctgt gaggccaagt ccatccagaa 300
cagggcggtg ctaggacagt gcttcagcta cagcgtcccc aacaccttcc cacagtccac 360
agagtccctg gttcactgtg actcctgcat gccagcccag tccatgtggg agattgtgac 420
gctggagtgc ccgggccacg aggaggtgcc caggggtggc aagctgggtg agaagatcct 480
gcactgtagc tgccaggcct gcggcaagga gcctagtcac gaggggctga gcgtctatgt 540
gcagggcgag gacgggccgg gatcccagcc cggcacccac cctcaccccc atccccacc 600
ccatcctggc gggcagaccc ctgagcccgga ggacccccct ggggcccccc acacagagga 660
agagggggct gaggactgag gcccccccaa ctcttccctc cctctcatcc ccctgtggaa 720
tggtgggtct cactctctgg ggaagtcagg ggagaagctg aagccccctt ttggcactgg 780
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aagggaagag tcttccaagg ccagaaggag ggggacaacc cccaagacc atccctgaag 1440
acgagcatcc cctcctctc cctgttagaa atgttagtgc cccgcactgt gcccgaagtt 1500

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```
ctaggccccc cagaaagctg tcagagccgg ccgccttctc ccctctccca gggatgctct 1560
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ctcatgaata aattccttca acgccccaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2040
aaamaggggg gggccc                                     2056
```

&lt;210&gt; 483

&lt;211&gt; 887

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 483

```
tgctacaaat aggaaggaat tgtaataatg atatttggcc tctactttgt cttagctgtt 60
aaactgtttt tagtattttt gttaaataat tgcaaaggga agcattttct acagaggata 120
attaatttca agaaaaatat cttgagtttt aagaaataaa catctccaga aaaggagaaa 180
gtcgatttta taaaatgtcg caactctcca acatttgggg tagtgactcc ttttttgtaa 240
ggacatttga aactagcaag cagccattgt ttctaaagaa ttctggcttc acattgactc 300
atgtttcttt cactccattt tgaaatagct aaaaatcatt aaaactgtaa atattttgtt 360
gcttgggtaa gcatcttctg ggaactttgt atctatggta tataatcata gaattttata 420
ttttcatata aagctaattt ttttctagtt tcaactccgt catagtkttt tttccttttt 480
gtggtggata tgtgaattca actttctgtg tattgaagta gcaaaaacca tctttacatt 540
ccaaaagaat ccaacatgtg ttatttcttt gaggcagtga ttgtgaaagt tgggttttct 600
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tcgtcacatt gaccatttg gaaaaagtgt gctttttttt tttttttaa tttgttcagg 720
gggagggggt ttgtaacctg aaatttttcc ctttttcttc tgtttaaact atatcaaatc 780
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tttttgatgt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aataaaa                                     887
```

&lt;210&gt; 484

&lt;211&gt; 1878

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1446)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 484

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tctcctcgtg gctagttcag gcggaaggag cagtcctctg aagcttgagg agcctctaga 60
actatgagcc cgaggccttc ccctctccca gagcgagag gctttgaagg ctacctctgg 120
gaagccgctc accgctcgaa gctgcgggag ctgaaactgc gccatcgtca ctgtcgggcg 180
ccatgacacc gctcgytcc cgctgaktc gtctgtgggc catcatgagg aagccacgag 240
cagccgtggg aagtggtcac aggaagcagg cagccagcca ggaaggaggg cagaagcatg 300
ctaagaacaa cagtcaggcc aagccttctg cctgtgatgg cctggccagg cagccggaag 360
aggtggtatt gcaggcctct gtctcctcat accatctatt cagagacgta gctgaagtca 420
```

```
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gccccattc cctgagaatc ctgttgtag taaagtgtt atttttgtag ttaaaaaaaa 1860
aaaaaaaaa aaaaaaaa 1878
```

&lt;210&gt; 485

&lt;211&gt; 1566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 485

```
ctttcatact accctttagt cataaggaga aaaaaacact caaatagtag aagcagcaag 60
tagcaaactt caggagagct actttctatc caaataattt aaaaaacact tttcacctac 120
tcctttcatg gttataacac attggcagac tttttgctgg ctctgggagc catgatttta 180
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gatagataca gccttttcag aagatctcca ctagtttttg ttccaaaaat tcaagtttat 480
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```

```
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aaaatt                                           1566
```

<210> 486

<211> 3046

<212> DNA

<213> Homo sapiens

<400> 486

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ctatcaggcc agcgtttttaa aactagaaaa agagatgaaa aagagagggt tgaccctact 180
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```

```

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ttacacttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 3046

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&lt;210&gt; 487

&lt;211&gt; 1904

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 487

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412

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tccaataaaa tgtacacccc tcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1860  
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1904

&lt;210&gt; 488

&lt;211&gt; 827

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (826)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 488

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaana 827

&lt;210&gt; 489

&lt;211&gt; 1926

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 489

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ggccgc 1926

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<210> 490

<211> 1461

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1452)

<223> n equals a,t,g, or c

<400> 490

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aagtggcgt agcggttgt tggataagt gaagatagat gataagcctg taaaaattga 180
caagtgggat ggtacagctg tgaaaaactc tttggatgat tctgcaaaa aggtacttct 240
ggaaaaatac aaatatgtgg agaattttgg tctaattgat ggtgcctca ccatctgtac 300
aatctcctgt ttctttgcc tagtggtttt gatttgggat tatatgcacc cttttccaga 360
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atacaccttg aagctgacct tcatcagtgg gagaacaaag cagcagcggg aagccgagtt 600
caciaaagtc attgctaagt tttttgacca cagtgggaca ctggtcatgg atgcatatga 660

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ttatccctag gngggtattt a 1461

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&lt;210&gt; 491

&lt;211&gt; 805

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 491

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taaaattgta tcttcgatcc atcaataaat acttgtggtt gaaacaaaaa aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaa 805

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&lt;210&gt; 492

&lt;211&gt; 2269

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 492

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ccggcgccgg cgcgcacaca ctcaggctga gcagaagagg agggacgcca tcaagagagg 180
ctatgatgac cttcagacca tcgtcccccac ttgccagcag caggacttct ccattggctc 240

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&lt;210&gt; 493

&lt;211&gt; 4108

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 493

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<210> 494

<211> 2209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<400> 494

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gaccccatcc gggacccctt gagggatcct taccragaac ttgacattca ccggagagac 180
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<210> 495

<211> 1677

<212> DNA

<213> Homo sapiens

<400> 495

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<210> 496

<211> 1702

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1691)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1701)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 496

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&lt;210&gt; 497

&lt;211&gt; 2376

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2354)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2375)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2376)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 497

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aaaaaaaaaa aaanaaaaaaa aaaaaaaaaa aaaann

2376

<210> 498

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (840)

<223> n equals a,t,g, or c

<400> 498

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<210> 499

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (452)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (455)

<223> n equals a,t,g, or c

<400> 499

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422

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461

&lt;210&gt; 500

&lt;211&gt; 2782

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2620)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2641)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2643)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2712)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2742)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2759)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2779)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 500

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```

<210> 501

<211> 1249

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 501

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agtttttgat cctgttgaac cgcctgaga cgggtctgtg aggggaaagc cttccgcacc 180
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aacaacttgc atttcggaag ccactgtccg tctttaaaca gaaagtcgaa ggagccacga 540
agcaagcggc cgtccgggcg tccgyctgcc gtccccttcc atgttcctcc tcttccttcg 600
cttcagcctc ttctgttatg ttttgtcttg aattttatct agactttttc agtgggtatt 660
ttctgtctt ccaacctcta ctgtaaactt tctggtccga gaacgagccg aacacagcgc 720
gacgcaggga ctaggacggc ccggtgaccg cgcggattca ggattgctgg gacgcagaaa 780
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ctaccctcct tttttttttt gtattttggc tgctagagtg cagcatttgt gacacgtatt 1080
tgaaatttga aatttccttc tgcactgtat aaaaggacca tttgaggatg ttttgccttt 1140
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```

<210> 502

<211> 1358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1351)

<223> n equals a,t,g, or c

<400> 502

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cccgcaccct agccaggccc cagggagcct ccgctgggcc cagacagcag cgattyggtt 60
tatccacttt tctyggataa tcaggagggt cccagtsgt cacagtgtgg cattccgagt 120
tggggcgggg ggtcgggtca agatagcagc agcagggtgc agggctcaag acaccacccc 180

```

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ctccagcttc tggggccag gagcctctcc ctgctacagg ggggtgggggt cctgctcagc 240
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ttggcgctcg tractaaagg gacgctggat tgctcaggtc agctgctcgg ggctcccagg 360
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ctgacatcag caccagtgc aggctgggtca gagggcgggg ctgggtgaggg tttgtcctaa 480
gaggaccacc gccatctctg ggtctccagg gggagagcct ggccctgtcc tttgttacc 540
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tccctgtcct gtcttcctcc cgagccatgg cctctgctag ctccaccttg aaggagcccc 660
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ccaccgggtg tccgactgtg ccgaccctg caccactc atgtcaccac ggcgtgcac 780
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gaggctggag ggcaggagg gatcactttg gagcccagg agattggagg gctggcagtg 1260
gagccatgga tccggcggac actggcactt ccagcctggg ggtggacggg tggagacttt 1320
tgttctccaa aaanaaaaaa aaaaaancnt nggagggc 1358

```

<210> 503

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<400> 503

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atagcgctca cgcaagcatg gttaacgtcc ctaaaacccg ccggactttc tgtaagaagt 120
gtggcaagca ccaaccccat aaagtgcac agtacaagaa gggcaaggat tctctgtacg 180
cccagggaaa gcggcggttat gacaggaagc agagtggcta tgggtggcaa actaagccga 240
ttttccggaa aaaggctaaa actacaaaga agattgtgct aaggcttgag tgcgttgagc 300
ccaactgcag atctaagaga atgctggcta taaaagatg caagcatttt gaactgggag 360
gagataagaa gagaaagggc caagtgatcc agttctaagt gtcacttttt attatgaaga 420
caataaaatc ttgagtttat gttcaaaaaa aaaaaanggg gggggcccg taccawtcg 480
cctatagggg gncgtttaa a 501

```

<210> 504

<211> 2011

<212> DNA

<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1941)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1961)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1974)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1976)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2002)  
<223> n equals a,t,g, or c

<400> 504  
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ataataataa taataataat aaataataat ggagagctcc ttgaagatag ggagcctgta 120  
agaatcattg agggcttatt ttgtatacca actgctaaac tagatgcttc atacattgtt 180  
gtcaatactc atgacagcct tgtaaagtag aaawtaattc ttccagttaa cackaaggct 240  
gacatatgaa taccttggca aatctggaaa gctgggaaga cagtaattga actcaagact 300  
tcttgtcacc aagggcattg acttgtactc tgccatgtgg scctttttta cctcctgtgg 360  
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taataggtgg accacaaata tctactaaat gaatatgtgc atatagtaat attttaagggt 480  
actaaaagca gctcaaagta aatattaata tattaattcc attgctatct ggataaccac 540  
tcaactttcc tgctgaaaat gccatttaa ttaaagaagg ttggatagag ctctctatat 600  
gcattttgga caggcagggg tttcaggcca taaacattct gatgagttaa tataaaataa 660  
gagaaactgt aaatttccac tactaaaaat cacaaaaata acagaaacaa aagaagagat 720  
aagaatttgg ggaattgtgc tgaacaattt agtggttaaa aaaaacaact gtgcatgttt 780  
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gaaagtaatg actaatacat tctctagaga cttgcagact ttgggaattc ataaaggaat 960  
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tgatccacca taatcaaaat aattaacatt tatccagtgc ctactatgta ctattccctg 1380  
tcctgtttta catttactca tttaaagtcc ataagaaaca ttaaattctca tctgccttct 1440

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gaagaagata caaccatgct ctctttttaca aagtaggaaa ctgggtcaca gaaaggtgaa 1500
gtctttaagg ctgaatcaca gtagctcatc ctagtaaata gaaaagccag gattcaactc 1560
caggggctgg gtgcagaact gctattcttc actgcttcac caatcagcag ctaccaag 1620
cagaaaactt tttcatcctt ggctccttca ttctccctgt caccaccagat cccctctaca 1680
tctagtcaga gaatagggtcc tgtcaattcc aacttctcta tatggctcct ctcaggcatg 1740
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cattgcttta tcacgkrtta cctgggttgc tattacataa agagcaatct ttctaaaatg 1860
agggatctta tcaacttcaact tccacactaa aatgtttttc ctgggggaac cacacttcct 1920
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agccaacacc ggaattatca tngggcccaa a 2011

```

<210> 505

<211> 1989

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1917)

<223> n equals a,t,g, or c

<400> 505

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ttcgctgctc cgccactatg ctctccctcc gtgtcccgct cgcgcccatc acggaccgcg 120
agcagctgca gctctcgccg ctgaaggggc tcagcttggt cgacaaggag aacacgccgc 180
cggccctgag cgggaccgcg gtcctggcca gcaagaccgc gaggaggatc ttccaggagc 240
ccacggagcc gaaaactaaa gcagctgccc ccggcggtgga ggatgagccg ctgctgagag 300
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agaaggcaga ggcttccttt tggaccgccc aggaggtgga cctctccaag gacattcagc 420
actgggaatc cctgaaaccc gaggagagat attttatatc ccatgttctg gctttctttg 480
cagcaagcga tggcatagta aatgaaaact tggtaggagc atttagccaa gaagttcaga 540
ttacagaagc ccgctgtttc tatggcttcc aaattgccat ggaaaacata cattctgaaa 600
tgtatagtct tcttattgac acttacataa aagatcccaa agaaagggaa tttctcttca 660
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gggacaaaga ggctacctat ggtgaacgtg ttgtagcctt tgctgcagtg gaaggcattt 780
tcttttccgg tctttttgct tcgatattct ggctcaagaa acgaggactg atgcctggcc 840
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atttgggtttc tacaccaaata acattctcct gaccactaat gggagccaat tcacaattca 1740

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ctaagtgact aaagtaagtt aaacttggtg agactaagca tgtaattttt aagtttttatt 1800
ttaatgaatt aaaatatttg ttaaccaact tttaaagtcag tcctgtgtat acctagatat 1860
tagtcagttg gtgccagata gaagacaggt tgtgttttta tcctgtggct tgtgtantgt 1920
cctgggattc tctgcccccy ctgagtarag tgttgtgggr taaaggaatc tytcaggggc 1980
agggggcctt                                     1989
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<210> 506

<211> 1085

<212> DNA

<213> Homo sapiens

<400> 506

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ggaatgacat cttacgcaaa aagggtatct tccccccaa ggaaagtctg aaagaattgg 180
aagaggaggc agaagaggag cagcgcatcc tccagcagtc agtggtgaaa acatatgaag 240
atatgacttt ggaagagctg gaggatcatg aagacgagtt taatgaggag gatgaacgtg 300
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aattyggaga agttttggag atctcaggga aggattatgt tcaagaagtt accaaagctg 420
gcgaggggctt gtgggtcatc ttgcacctt acaaacaagg aattcccctc tgtgccctga 480
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tggaaggaga tatcaaggct cagtttattg gtcctctggt gtttgccggc atgaacctga 660
caagagatga gttggaatgg aaactgtctg aatctggagc aattatgaca gacctggagg 720
aaaaccctaa gaagccgatt gaagacgtgt tgctgtcctc agtgcggcgc tctgtcctca 780
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ttcttgtgac aaattgtctg gattttttaa aaaaggaaaa agcaagaatg aatccttgtg 900
gttttttagt ttgtataaat tatgtttcaa atctttacat tttggaaata atcattgctg 960
gagattctgt taaatatttt ggaactctt tttttttaa ttatagtatt tcctctaaaa 1020
aaaattaaaa ccagccattt gtatggcaaa aaaaaaaaa aaaaaaaaa aaaaaaaaa 1080
aaaaa                                           1085
```

<210> 507

<211> 1485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1476)

<223> n equals a,t,g, or c



&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1485)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 507

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cgccgcccgt gcctttcctc ttctctctyc tctccttgg catccgcctc ttcttcctcc 60
tgcgtcctcc cccgtgcct cgcgtgctcc cgacgaggag cccggagccc gcgccgagcc 120
cctggcctcg cggtgccatg ctgccccggc ggcggcgctg aaggatggcg acgccgctgc 180
ctccgccctc cccgcggcac ctgcggctgc tgcggctgct gctctccggc ctgcctcctg 240
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cggagcctgc caccctgggc ttctcgcan gggggcagg gctggakctg ggcctccct 600
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tgctgatcct ggcgttctgt gtggccggtg cagccgcct ctccgtagcc tccctctgt 780
ggtgcaggct gcagcgtgag atccgcctga ctcaagaagg cgactacgcc actgcgaagg 840
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agccacccaa ggagctggac acggcctcct cggatgagga gaatgaggac ggagacttca 1020
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cctgggtccc tgcacctctc ctgttygggt tagaccccca aactggagg ggcattggaga 1380
accgtagagc gcaggaaacg gtgggtaatt ctagagacaa aagccaatta aagtccattt 1440
cagacctgcg gaaaaaaaaa aaaaaaaaaa aaacnnnggg ggggn 1485
```

&lt;210&gt; 508

&lt;211&gt; 1930

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 508

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atttttagtaa acttttagac aaaatttgn aaaatgctga catcatttat aatccttcat 60
ttattttaa aaagatgagg acacacatta artgawgtca gcatttttagt aaacttttag 120
acaaaatttg ttagggctcat tcatgaaaac tttaatacta aaagcacttt ccattatata 180
ctttttaaaag gtctagataa ttttgaacca atttattatt gtgtactgag gagaaataat 240
gtatagtaga ggacagcctt ggtttgtaaa gctcagttcc actagtcat ggttttgtgc 300
aacttctgag cctcagtttt ctcttttgca aattaataat tacatacctt tatagatttt 360
gaaattaatt taaatattag tatttggtag atgaaggctt aatgttaagt ttcctttaat 420
```

```
gatccacaat aatccctttg atcacgttaa tctaaatcta gatgtctttg tctaattttt 480
tttgaatagc agttataaat gtaaaaggact caaagtttaa gtaaaaagtg atactccacc 540
ttgtgtttca aagaatttag ttccacctct tcataccagt ttaacactta atatatattca 600
ttggatttta gacagggcaa aaggaagaac aggggcctct ggaggccctt ggttatttaa 660
atcttggatt atttgtgata gtaatcacaa atttttggct aatttttaac ctgaggtttt 720
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ctaaatgtta aactattacc acacagccca taaaacagca tttgcgttta ttgagagaga 840
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gccatacatg ttaatatctt acattcttgc ttccttaaat taatatgttt gtgtgtatat 1860
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<210> 509

<211> 1134

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1041)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1064)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1106)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 509

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&lt;210&gt; 510

&lt;211&gt; 1382

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 510

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cc 1382

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<210> 511

<211> 1741

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1696)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1710)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1715)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1717)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1720)

<223> n equals a,t,g, or c

<400> 511

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<210> 512

<211> 1530

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1508)

<223> n equals a,t,g, or c

<400> 512

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cgtgaacagt gtgcttctct ttaccatcct gaacccatt tattcgatca ccacggatgt 600  
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<210> 513

<211> 2999

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2996)

<223> n equals a,t,g, or c

<400> 513

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&lt;210&gt; 514

&lt;211&gt; 2048

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 514

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<210> 515

<211> 3300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c



&lt;400&gt; 515

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<210> 516

<211> 3425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 516

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ataagagtaa cagtcacatc ttatcatcac aaatggctac atctccaaat atcagtgggc 2160
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ggggc 3425
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<210> 517

<211> 1358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1356)

<223> n equals a,t,g, or c

<400> 517

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tttacagcca atacaggttt aatcgatgtt caatattggt ttaggaaatt taaggccttc 180
taaatacata tagctctttc atgtctaaaa ccattttatg atattgcaa aatgtgatag 240
gaaacctact cattaaattg ttaaactttt taatgactat gtgaagatat gaattgttct 300
ctgaagataa tactcttaat tgagttgtat tgtacttctt aggcaaagca gtgtaaaact 360
gtatcaatta aggcttgtga gtagtgattt ccaactgggc atcagagtct tggctgggct 420
gaatctgctg cttgttggtt cagtgtttct tatgaacaag agccacagta cagagcttca 480
agttatttaa aataactaagt catcttacgt ttccatttta ttaacgggat gttgcaatcg 540
```

440

```

tttgtaaact aataaactta taaagtgatt ggcacaaaga ctccttgagc aaaagctgtg 600
cagttaagta caaaaagata ctttaatttg agactcttac agtaattttt gccatgtcaa 660
aacaatggct tttacattga aagattaata gaaactctac atatgttaat ttttttatag 720
aacctgactc aaatcaaggt actctccatt ttattgcctt acctgaatca gtcctttttg 780
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taaaaaaaaa aaaaaaaaaa aaaagnagga aagaanag 1358

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&lt;210&gt; 518

&lt;211&gt; 1368

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1225)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1333)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1347)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 518

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ccgccgccgc ggagccgccg ccggggagga gcagccgctg ccgccagga ctgggccctt 120
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tctggaagat caagaagctc attaagagct tggaggcggc ccgcggcaat ggcaccagca 240
tgatatcatt gatattcctt cccaaagacc agatttcacg agtggcaaaa atgttagcgg 300

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atgagtttgg aactgcatct aacattaagt cacgagtaaa cgcctttca gtcctgggag 360
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ttgtatactg tggaacaatt gtaacagaag aaggaaaagg aaagaaagtc aacattgact 480
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```

<210> 519

<211> 933

<212> DNA

<213> Homo sapiens

<400> 519

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cattagagat ttcttctgga aaactggaaa caagataggg tttaaaccag caggaggcat 180
ccgcagtgca aaggattccc ttgcttggct ctctcttgta aaggaggagc ttggagatga 240
gtggctgaag ccagaactct ttcgaatagg tgccagtact ctgctctcgg acattgagag 300
gcagatttac catcatgtga ctggaagata tgcagcttat catgatcttc caatgtctta 360
aatcagtcac cagtccaga aaagtctctt acgacaatgt ttaaaaatta tttttctacg 420
taattgctaa aattatttaa ttaaaaaatt gggcagtagg taactggcat tcctctcttt 480
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ttcaggcaca tctgaaatga tcttaattac tagaagatct gcactattaa ctttgtgaag 600
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tgtgaaaact catctttcat ttttgccgtg gataggcgtt tttattaatt gttgtcctaa 840
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aaaaaaaaaa aaaaactcg agggggggcc cgg 933

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<210> 520

<211> 1430

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

442

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1428)  
<223> n equals a,t,g, or c

<400> 520  
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tcacgcagga tagtaattat ttgttaaccg ggggacagga taaactgtta cgcataatag 180  
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cattgagact atggcaaaact gtggtaggaa aaacgtatgg cctttggaaa tgtgtgcttc 720  
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1430

<210> 521  
<211> 1169  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1166)  
<223> n equals a,t,g, or c

&lt;400&gt; 521

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gagggggcct tggtagaccg ggtggtcgtg gaggccgagg gggctttggc gggggccgag 180
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arggggggccc gctaggggnt ccaagnnta 1169
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&lt;210&gt; 522

&lt;211&gt; 2162

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (169)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2133)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2136)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2139)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 522

```
gccgggcgcg gagaagtcgg ggccggcgcc agagaggccg ggacgcggac cgggccgggg 60
cgccacacag cgcgcgacgg cgccagaga gcgcgcgccc cgcagccccg cgcctagccc 120
```

444

```

gccgggcatg gggcgcgcg gaggccgctga agccccggcc tggccccgnc gcacccggcc 180
ggaggcgag ggcagagcgc gcgccagtt gcccgggcac caaatcgag cgcggcgtag 240
gggaggggcc agagcaggac tggaaatgtc ctggccgcgc cgcctcctgc tcagatacct 300
gttccccggc ctctgcttc acgggctggg agagggttct gccctccttc atccagacag 360
caggtctcat cctaggtcct tagagaaaag tgcttgagg gcttttaagg agtcacagt 420
ccatcacatg ctcaaaccatc tccacaatgg tgcaaggatc acagtgcaga tgccacctac 480
aatcgagggc cactgggtct ccacaggctg tgaagtaagg tcaggcccag agttcatcac 540
aaggtcctac agattctacc acaataacac cttcaaggcc taccaatttt attatggcag 600
caaccgggtg acaaatccca cttatactct catcatccgg ggcaagatcc gcctccgcca 660
ggcctcctgg atcatccgag ggggcacgga agccgactac cagctgcaca acgtccagg 720
gatctgccac acagaggcgg tggccgagaa gctcggccag caggtgaacc gcacatgcc 780
gggtctcctc gcagacgggg gtccctgggt gcaggacgtg gcctatgacc tctggcgaga 840
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tggtgacatt cacactgatg ccaccagag gatgttctac cggccctcca gttaccagcc 1020
ccctctgcag aatgccaaaga accacgacca tgctgcac gcctgtsgga tcattctatc 1080
gtcagacgag caccaccctc ccattcctgc cccaaaggca gacctgacca tcggcctgca 1140
cggggagtgg gtgagccagc gctgtgagg ggcgccgaa gtctcttcc tcaccgcca 1200
cttcattctc catgacaaca acaacacctg ggagggccac tactaccact actcagacc 1260
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cgagggtctc tggcagggtg gcattccagc ggatgtgacc cacaccaatg gctgcgtggc 1500
cctgggcac aaactacctc acacggagta cgagatcttc aaaatggaac aggatgcccg 1560
ggggcgctat ctgctgttca acggtcagag gccagcgac gggccagcc cagacaggcc 1620
agagaagaga gccacgtcct accagatgcc cttggtccag tgtgcctcct cttcgccgag 1680
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cacctggtcc ctgctgctgg ctgcacttgc ctgycttgc cctctgctgc attggaacat 1800
ccgcagatag aagttttaga aagttctatt tttccaaacc aggattcctt actattgaca 1860
gatttkcttt accaaaagaa aagacattta ttcttttgat gcaattgaat gccagagaac 1920
tgtccttctt tttctcctct ccctccctcc cagccctga gtcattgaaca gcaaggagt 1980
tttgaagttt ctgctttgaa ctccgtccag cctgatccct ggccctgagca acttcacaac 2040
agtaattgca ctttaagaca gcctagagtt ctggacgagc gtgtttggta gcagggatga 2100
aagctaccww atttttttct cttrattatt tgnacnaant tgagtagaag ttatttccct 2160
tt

```

&lt;210&gt; 523

&lt;211&gt; 799

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (443)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (758)

&lt;223&gt; n equals a,t,g, or c



&lt;400&gt; 523

```
tctctctccc tctcttcctt cccctgccc caaaactaaa gtaaaataac gttaactgcc 60
cgtttttctg taaccagcag accttatcta tactcccaat tccaattcct tgtaaacata 120
ctttgtaaag tcctgtaaga tcctgtctcc tttgccatga cgctgcaagg tcataaagta 180
gataaaacct aagttgcaat tccggttttc ctcaagatct aagacatgtt acaaatggtt 240
aattgccttt gtttctcgct ttggtaacat cttccgcctt caggatatttc ccgccttgaa 300
gagtttaaaa ggcaatccta taatctaact ctggctaccc attctggacc ccctccatgc 360
tttggaagct ttgtactttc actctgctca ataaagcctr cagctttttc tcaactctcag 420
tccatgtctc tttcaactcac tgnngtcagc ttccacacca tttctttggt gtggcttggc 480
aagaacctca ggtgttacat cttggcgagc cagacaggag actccagaaa aggatcaaaag 540
ccatcaagct acaaatratc ttacaaatgg aacctcaaat gagctcagct cacggcttct 600
accgaggacc cctggwtcaa cccgctggtc cctcaattac cctagaaaat tcccctctgg 660
aggacaccaa actgcagggc cccttytca cccctaacca gcaggaagta gccagaacgg 720
actgccacam ggttcccaac agcarttkgg ggtgtcngt ttagaggca ggatttagag 780
gaggtgcccc attgggttt 799
```

&lt;210&gt; 524

&lt;211&gt; 1722

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 524

```
ttccacgcgt ttnagagaag ggaactccca cagcanaggn cataaaacca tccagggcag 60
tctggggcgg ctcagttctg cgggtgccagg gagtggagca gagctcagcc ccgtcccaaa 120
yacagatggg accatgaact ccggacacag cttcagccag accccctcgg cctccttcca 180
tggcgcggga ggtggctggg gccggcccag gagcttcccc agggctccca ccgtccatgg 240
cggtgcgggg ggagcccga tctccctgtc cttcaccacg cggagctgcc caccctctgg 300
agggctcttg ggttctggaa gaagcagccc cctactaggc ggaaatggga aggccaccat 360
gcagaatctc aacgaccgcc tggcctccta cctggagaag gttcgcgccc tggaggaggc 420
caacatgaag ctggaaagcc gcatcctgaa atggcaccag cagagagatc ctggcagtaa 480
gaaagattat tcccagtatg aggaaaacat cacacacctg caggagcaga tagtggatgg 540
taagatgacc aatgctcaga ttattcttct cattgacaat gccaggatgg cagtggatga 600
yttcaacctc aagwtgaaa atgaacactc ctttaaaaaa gacttgaaa ttgaagtcsa 660
gggcctccga aggaccttag acaacctgac cattgtcaca acagacctag aacaggagg 720
ggaaggaatg aggaaagagc tcattctcat gaagaagcac catgagcagg aaatggagaa 780
gcatcatgtg ccaagtgact tcaatgtcaa tgtgaagggt gatacaggtc ccagggaaga 840
```

446

```
tctgattaag gtcctggagg atatgagaca agaatatgag cttataataa agaagaagca 900
tcgagacttg gacacttggt ataaagaaca gtctgcagcc atgtcccagg aggcagccag 960
tccagccact gtgcagagca gacaagggtga catccacgaa ctgaagcgca cattccaggc 1020
cctggagatt gacctgcagr cacagtacag cacgaaatct gctttggaaa acatgttatac 1080
cgagacccag tctcgktact cctgcaagct ccaggacatg caagagatca tctcccacta 1140
tgaggaggaa ctgacgcagc tacgccayga actggagcgg cagaacaatg aataccaagt 1200
gctgctgggc atcaaaaccc acctggagaa ggaaatcacc acgtaccgac ggctcctgga 1260
gggagagagt gaagggacac gggagaatc aaagtcgagc atgaaagtgt ctgcaactcc 1320
aaagatcaag gccataaccc aggagaccat caacggaaga ttagttcttt gtcaagttaa 1380
tgaaatccaa aagcacgcat gagaccaatg aaagtctcg cctgttgtaa aatctatctt 1440
ccccaagga aagtcttgc acagacacca gtgagtgtgt tctaaaagat acccttgtaa 1500
ttatcagact cagaaacttt tatTTTTTTT ttctgtaaca gtctcaccag actctcata 1560
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ctttctact gcagccttca gattctcatc attttgcata tattttgtag ccaataaaac 1680
tccgcactag caaaaaaaaa aaaaaaaaaa aaaaagtctg ac 1722
```

&lt;210&gt; 525

&lt;211&gt; 562

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (515)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (526)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (557)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 525

```
tcccgggccc gagggcatca gacggcggct gattagctcc ggtttgcata acccgaccg 60
ggggattagc tccggtttgc atcaccgga ccgggggatt agctccggtt tgcatacccc 120
ggaccggggg ccgggcgcgc acgagactcg cagcgggaagt ggaggcggct ccgcgcgcgt 180
ccgctgctag gaccggggca gggctggagc tgggctggga tcccgagctc ggcagcagcg 240
cagcggggcg gccacactgc tgggtgccctg gargctctga gccccggcgg cgccccggcc 300
cacgcggaac gacggggcga gatgcgagcc acccctctgg ctgctcctgc gggttccctg 360
tccaggaaga agcggttgga gttggatgac aacttagata ccgagcgtcc cgtccagaaa 420
cgagctcgaa gtgggccccca gccagactg cccccctgcc tggtgcccct gagccacct 480
actgctccag atcgtgcaac tgctgtggsc actgntctcc gtyttnggsc ctatgtccty 540
ctkgaagccc gaagaanggc gg 562
```

&lt;210&gt; 526

&lt;211&gt; 2023

&lt;212&gt; DNA

447

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 526

```
aaagtgataa cncaactaat gggtgtggac ttgaatctyc aggaaatact gttacacctg 60
taaagttaa tgaagttaaa cccataaaca aaggtgaaga acaaattggg tttgagctag 120
tggagaaatt atttcaaggt cagctgggtat taaggacgcg ttgcttgga tgtgaaagtt 180
taacagaaag aagagaagat tttcaagaca tcagtgtgcc agtacaagaa gatgagcttt 240
ccaaagtaga ggagagttct gaaatttctc cagagccaaa aacagaaatg aagaccctga 300
gatgggcaat ttcacaattt gcttcagtag aaaggattgt aggagaagat aaatatttct 360
gtgaaaactg ccatcattat actgaagctg aacgaagtct tttgtttgac aaaatgcctg 420
aagttataac tattcatttg aagtgtttg ctgctagtgg tttggagttt gattgttatg 480
gtggtggact ttccaagatc aacactcctt tattgacacc tcttaaattg tctactagaag 540
aatggagcac aaagccaact aacgacagct atggattatt tgcggttgtg atgcatagtg 600
gcattacaat tagtagtggg cattacactg cttctgttaa agtcaactgac cttaacagtt 660
tagaactaga taaaggaaat tttgtggtg accaaatgtg tgaaataggt aagccagaac 720
cattgaatga ggaggaagca aggggtgtgg ttgagaatta taatgatgaa gaagtgtcaa 780
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ttggacttct tggaggacaa aagagcaaag cagattatga gctatacaac aaagcctcta 900
atctgataa gggtgtctagt acagcgtttg ctgaaaatag aaattctgag actagtata 960
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agagttagtg tattttcctt gtgtatata taaacacacc catacaaaca ttggtaaaagt 1260
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tttgcttttt aaaataaagt gctcgtattt gtattctcca tattttggag taattatcta 1560
catgatgttt atagttcctg tgggttttca cccaagaagc agaattctcat tcagtacatt 1620
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atgtgtgtat tcacaatggg gtatgtacat tttgtgcctt gattcactta gaagtgtctc 1740
agaaaacctg gacagttcgc ttctacacaa gaattttata tgtattttatg aagatgattc 1800
tgtaccctag tatatctttt tgggcatgga ctaatttgta tctgtttaac tcatattctg 1860
cacgatctgt atatagtaca tcaaacttag aggtgtgacc ttaaatttaa ctttttttaa 1920
aaactgggag gtcaataaaa tttaaactgc ttaactatgt atatgaatat ttgaattttt 1980
tacttgtata tttttataaa tacagctgag ttttcttaaa gcg 2023
```

&lt;210&gt; 527

&lt;211&gt; 2847

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2842)

<223> n equals a,t,g, or c

<400> 527

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ggcacagggt attctgtgtc ttctcatagta gaaaccttaa tgatcggctc gttgtagtga 60
actctttaa aaggcgctat agaaaaccaa ttcttgagta aaccagcaga cagcatgact 120
tgtaaatggc cttttaatta attaaaaaga aattagtcag ctacaagcat gaacatgtgg 180
aacgcttacc ttgtactag gcgtttttgt ttgtgtttta atggcttttg gaatattata 240
gtattaacat ctggaaaact aggtaaattt atcttagaat taagtntttn gctccttttt 300
tgcagaaaaa gaacagcaag aagcgattga acacattgat gaagtacaaa atgaaataga 360
cagacttaat gaacaagcca gtgaggagat ttgaaagta gaacagaaat ataacaact 420
ccgccaacca ttttttcaga agaggtcaga attgatcgcc aaaatcccaa atttttgggt 480
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actgcattat ttgaccagag ttgaagtga agaatgtgaa gatattaaat cagggttacag 600
aatagatttt tattttgatg aaaatcctta ctttgaaaat aaagttctct ccaaagaatt 660
tcatctgaat gagagtgggt atccatcttc gaagtccacc gaaatcaaat ggaaatctgg 720
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gattccaacc ttcctttttt taaattttct ccagtccctg ggagcaagtt gcagtccttt 1140
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```

```

ctgccaccac catccaacag acctggtgct ctaatgccaa gttatacacg ggacagttgc 2340
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ttgctccaat aaaggaacat aaagatttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2820
aaaaaaaaaa aaaaaaaaaa anaaaaa 2847

```

<210> 528

<211> 816

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<400> 528

```

aaaaacgantg tgtaattaac anaggctgtg cgcataaacg ttgccgttat gggtcgcgaa 60
ttttcccccgg cgcccaatgc gagggagacg aaantatgta aatgagtgga ttctggctga 120
gctatcctat tggctatcgg gacaaaattt gcttgagcca atccaaagtg ctccgtggac 180
aatcgccgtt ctgtctataa aaaggtgaag cagcggcggt ttccggcgact ttcccgatcg 240
ccaggcagga gtttctctcg gtgactacta tcgctgtcat gtctggctcg ggcaagcaag 300
gaggcaaggc ccgcgccaaag gccaaagtgc gctcgtcccg cgctggcctt cagttcccgg 360
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ccgtctacat ggctgcggtc ctcgagtatc tgaccgccga gatcctggag ctggcgggca 480
acgcggctcg ggacaacaag aagacgcgca tcatccctcg tcacctccag ctggccatcc 540
gcaacgacga ggaactgaac aagctgctgg gcaaagtcac catcgcccag ggcggcgtct 600
tgccctaaca ccaggccgta ctgctcccta agaagacgga gagtcaccac aaggcaagg 660
gcaagtgagg ctgacgtccg ccaaagtggc ccagcccggc ccgcgtctcg aaggggcacc 720
tgtgaactca aaaggctctt ttcagagcca ccacggtttt caaataaaag agttgttaat 780
gctggcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 816

```

<210> 529

<211> 885

<212> DNA

<213> Homo sapiens

450

&lt;400&gt; 529

```
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ccccggtct tctctgcaaa tgggctccgt ggcctagcgc ccccgtoccc gccacccgtg 120
atcgtgcgcc gagggccgcg aggggtcgcc gccagatcc caccagccag caagctaaag 180
catggcggcc atcccctcca gcggctcgct cgtggccacc cagcactact accggcgccg 240
cctgggttcc acttcagca acagctcctg cagcagttacc gagggtcccg gggaagccat 300
tccccacccc ccaggtctcc ccaaggctga cccgggtcat tgggtggcca gcttcttttt 360
cgggaagtc accctcccgt tcatggccac ggtgttgag tccgcagagc actcggaacc 420
tccccaggcc tccagcagca tgaccgcctg tggcctggct cgggacgccc cgaggaagca 480
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caagcggaata ataaactcca agcagccagt agccccgatg gtgtgtgcct gagctgtgtg 840
gcccgagggt ccaaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 885
```

&lt;210&gt; 530

&lt;211&gt; 742

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (693)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (695)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (715)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (730)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (741)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 530

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ggtacctgac agtaccgggc ggaattcccc ggtcgaccca cgcgtccgct gctgctctta 60
aaggtacagg cctcagggtc cctgctgtag acggggcggg ggagagtacg atgggtgggg 120
```

```

cgtgggtgggt cgtagggcgc tcgagatgga gccccagct tccttgatgg atcgcggggc 180
gcgagtgcc tagacaagcc ggagctggga ccggcaatcg ggcgttgatc cttgtcacct 240
gtcgagagacc ctcatccctc ccgtgggagc cccctttgga cactctatga ccctggaccc 300
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```

<210> 531

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 531

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cactgagcct catggaggtg gtaacatttg gcgatgtggc tgtgcacttc tctcgggagg 180
agtggcagtg tctggaccct ggccagaggg ccctctacag ggaagtgatg ctggagaacc 240
acagcagtgt ggctggacta gcaggattcc tggttttcaa gcctgagctg atctctcggc 300
tgagcaggg agaagagcca tgggtcctcg acctgcargg agcagagggg acagaggcac 360
caargacctc caagacaggt gaggcttaga tcccatcgca gagaagccct ggggtgarga 420
gaaactkcar gaggggctca caactgtrgg tagctgtagg tgartcgcg gggctacact 480
kggatgcctg ggaatgctac tnggggaaan cagcatccaa canct 525

```

<210> 532

<211> 1925

<212> DNA

<213> Homo sapiens

<400> 532

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gtggtctgag gccggtacag ctgcgcgtct gcggaatag gtgcagcggg cccttgggcg 60
gggactctga gggaggagct ggggacggcg accctaggag agttcttttg ggtgactttc 120

```

```

aagatggact ctactctaac agcaagtga atccggcagc gatttataga tttcttcaag 180
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ctctttgccca atgcaggcat gaaccagttt aaacccattt tcttgaacac aattgaccca 300
tctcacccca tggcaaaagct gagcagagct gccaataccc agaagtgcac ccgggctggg 360
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ttttcttttg ttactgttct tgctgctaga acttttttaa ataaactttt tttcaatgtg 1860
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ggggg                                           1925

```

<210> 533

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c



&lt;400&gt; 533

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tcgctccacc ttctccacca actaccggtc cctgggctct gtccaggcgc ccagctacgg 180
cgccccggcgg gtcagcagcg cgccagcgt ctatgcaggc gctgggggct ctggttcccc 240
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cgggatatgcc ggggtctctg caggaatggg agcatccaga acgagaagga gaccatgcaa 360
aagctgaacg accgcctggc ctcttacctg gacaaaatga aggagcctgg agaccgagaa 420
accggaggct ggaaagcaaa aaccggggag cactttggag aagaagganc ccaggtcaga 480
gnctggnagc cattaattca ag                                     502
```

&lt;210&gt; 534

&lt;211&gt; 1800

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 534

```
tcgaccacag cgtccggcgg cgcgcgccac tgccaggcgg ggatcggggg gcgcgagctg 60
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ccaaacaatt tgggtcacaa gttcatcgaa gaagtcttga agtttcaaaa gacagctcta 480
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gtttgtgtgc tttcaaagat gttgggattt tatttatctg gggacagtgt gtatggtaag 1740
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&lt;210&gt; 535

&lt;211&gt; 2497

454

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2467)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2487)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2493)  
<223> n equals a,t,g, or c

<400> 535  
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455

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aggccanaac tgatggaccg cactacntcc cantcca 2497

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&lt;210&gt; 536

&lt;211&gt; 4090

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (535)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2475)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 536

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 tcagctgcca taagcatgag tcctgtgaaa cagatcccat agsgcccttg gcttgtgagt 3840  
 actggaaggg cagtgggctt cagcaaatg cccctcctcc ctacccatgg gactgaaaga 3900

457

```

agcttgatcc aaaagtatga gtaatatgtggt tttataacat gcagctgcct tttcgtccac 3960
acctacaggc tagtggtttc aaagttggag tgttcatccc ttgaagaacc tgagttacgt 4020
cactataccc actctcaaag ttgcagctct gcaggggact cccatggtgc tgtacagggtg 4080
ctactctgcc                                     4090

```

&lt;210&gt; 537

&lt;211&gt; 586

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 537

```

cgcgggcgcg gggccgctac gtgcgcgggg agcgcgggga gcgcggggag cgcggnnggt 60
gcgctcgtgt gcgctcctgg gcgctcgccg ccgcgcgtgc cgccgcgcgc ctttgagtca 120
gcaaaactccg cgcccgcaa gcccggtcgc gcccgccct gctctgttct gcccgaggga 180
gccgccatt gatcgtgtcc tgtgctgaag atgtttccgg aacaacagaa agaggaattt 240
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gactatgaga tatgtattca tactaatagc atgtgtttta caatgaaaac atcctgtgta 360
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gtacaactgc cagaacttcc atctaaaaac ctgtttttca acatgaacaa tcgccagcac 480
gtggatcagc gtcgccaggg tctgggaaat ttcctcagaa aagtcctaca gatgcacttt 540
tgctttcaga tagcagcctt cacctcttcc ttacagagcc atctga 586

```

&lt;210&gt; 538

&lt;211&gt; 1250

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 538

```

aattcggcac gagctctccc ttcggttct ctctttcggc cgcgccgcgc agttcctggg 60
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ttggagtgcg ccggacctga gaggtgctg cactgggct cagccagccc tccgatgct 180
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gcacagccgg gtgactctg gggaacgccc gtttcagtgt ccacactgcc ctgcgcgtt 720
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gctgagatgg gaatgagccc ctacacagaa tggagtctc tagcctaaag atatcagctg 1020
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```

458

```
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gttggtgggg aagggacccc agtcctgcct tccaccccc aaccaggcct gagactgac 1200
aaacaataaa cacgtttccc actctgaaaa aaaaaaaaaa aaaaaaaaaa 1250
```

&lt;210&gt; 539

&lt;211&gt; 1350

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1305)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1344)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1349)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 539

```
ggcagagcac atgcgcaccg cagcgggtcg cgcgccctaa ggagtggcac tttttaaag 60
tgcagccgga gaccagccta cagccgcctg catctgtatc cagcgcagg tcccgccagt 120
cccagctgcg cgcgcccccc agtcccgcac ccgttcggcc caggctaagt tagccctcac 180
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tgaagacaat ttgatacata ataaaaaatt atgacaatgt cctgnaaaaa aaaaaaaaaa 1320
aaaagggcgg ccgccccaga gganccccng 1350
```

&lt;210&gt; 540

&lt;211&gt; 2509

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<400> 540

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ggccgcacgg cctcggcagc gatggcactg aaggactacg cgctagagaa ggaaaagggt 180
aagaagttct tacaagagtt ctaccaggat gatgaactcg ggaagaagca gttcaagtat 240
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ccagagtctc tggctgacta catcacagca gcatacgtg agatgaggcg agaggcttgg 1920
```

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gctagtaagg atgccaccta tacttctgcc cggaccctgc tggctatcct gcgcctttcc 1980
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggag 2509

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&lt;210&gt; 541

&lt;211&gt; 1743

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 541

```

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taagagagaa tgcaccgtgc actacacacg cgactcccac aaggttgacg ccggagccgc 120
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ccc 1743

```

&lt;210&gt; 542

&lt;211&gt; 2210

&lt;212&gt; DNA



<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<400> 542

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```

<210> 543

<211> 1715

<212> DNA

<213> Homo sapiens

&lt;400&gt; 543

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aagagamaaa aaaaaaaaaa aaagaaagtc gacgc 1715

```

&lt;210&gt; 544

&lt;211&gt; 3109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1011)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 544

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&lt;210&gt; 545

&lt;211&gt; 1176

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 545

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&lt;210&gt; 546

&lt;211&gt; 1735

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 546

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465

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&lt;210&gt; 547

&lt;211&gt; 1048

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1043)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 547

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&lt;210&gt; 548

&lt;211&gt; 736

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (719)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

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<222> (724)  
<223> n equals a,t,g, or c

<220>  
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<222> (727)  
<223> n equals a,t,g, or c

<220>  
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<222> (734)  
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ctantnttaa atcncg 736

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<211> 2231  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2224)  
<223> n equals a,t,g, or c

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cggnacccaa t 2231

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&lt;210&gt; 550

&lt;211&gt; 1816

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 550

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&lt;210&gt; 551

&lt;211&gt; 2610

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 551

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&lt;210&gt; 552

&lt;211&gt; 4021

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4000)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 552

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&lt;210&gt; 553

&lt;211&gt; 1780

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 553

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<211> 3713

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<223> n equals a,t,g, or c

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<221> misc feature

<222> (3006)

<223> n equals a,t,g, or c

<400> 554

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<212> DNA

<213> Homo sapiens

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<222> (1951)

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<221> misc feature

<222> (1980)

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<222> (1992)

<223> n equals a,t,g, or c

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<222> (879)

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<220>

<221> misc feature

<222> (906)

<223> n equals a,t,g, or c

<400> 556

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<210> 557

<211> 3484

<212> DNA

<213> Homo sapiens

<400> 557

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aagt 3484

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&lt;210&gt; 558

&lt;211&gt; 790

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (788)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 558

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477

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&lt;210&gt; 559

&lt;211&gt; 558

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 559

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&lt;210&gt; 560

&lt;211&gt; 534

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 560

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&lt;210&gt; 561

&lt;211&gt; 3043

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
<221> misc feature  
<222> (3038)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (3039)  
<223> n equals a,t,g, or c

<400> 561  
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&lt;210&gt; 562

&lt;211&gt; 1386

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (480)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 562

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ggcccc 1386

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&lt;210&gt; 563

&lt;211&gt; 2638

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 563

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&lt;210&gt; 564

&lt;211&gt; 691

481

<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<400> 564  
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tcgagtggat tggaacactt caagccccca a 691

<210> 565  
<211> 1967  
<212> DNA  
<213> Homo sapiens

&lt;400&gt; 565

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catttaattt taattttata ttttgtgaat attttaagaa ctgtagagct gctttcaata 300
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg ggggggag 1967

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&lt;210&gt; 566

&lt;211&gt; 1334

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1253)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1307)

&lt;223&gt; n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1312)  
<223> n equals a,t,g, or c

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ggaacccggc gatatggctg ccgctgtgcc ccgcgccgca tttctctccc cgctgcttcc 180  
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tgctgaaaac tcggcttcca gcgatgatct cttgggtggca gaggtgggga tctcagatta 420  
tggtgacaag ctgaacatgg agctgagtga gaaatacaag ctggacaaaag agagctaccc 480  
agtcttctac ctctccggg atggggactt tgagaacca gtcccataca ctggggcagt 540  
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tcgaggggcc caag 1334

<210> 567  
<211> 1610  
<212> DNA  
<213> Homo sapiens

<400> 567  
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gaaagcacta gggttcttgc attcaaagag taaagattct gctgaaaagc taaaagcact 180  
gcttgatgaa tctttggctc ggggcattga ttccagttac cgtccatctc aaaaggatgt 240  
ggagccaccc aaaatttcaa gcacaaaaaa catttccatt aagcaagagc ccaaaatate 300  
atccagtctt ccttctggtg ataataatgg caaggtcctc acaactgaaa aggtaaagaa 360  
ggaagctgaa aagagacctg ctgataaaat gaaatcagac atcactgaag gagttgatat 420  
tccaaagaaa cctagattgg agaaaccaga aacacagtca tctccatta ctgtccaaaag 480  
tagcaaggat ttacctatgg ctgaccttct cagttttgag gagaccagtg ctgatgattt 540  
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484

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acaaatgaaa agaattggctc aaaaaactca gaaaccaccg cagaaaccag cccttgagct 780
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tcttcataat caaaaaaaaa aaaaaaaaaa agaaaaaaaa aaaaaaaaaa 1610
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&lt;210&gt; 568

&lt;211&gt; 1412

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1018)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1037)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 568

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aacaggcttt gcaaccagag gaaaatcatt tggaaaatta cacagctttg gaagaatcca 120
ctaaagtttc ttctttggat ttcttgacag tatgatttag taaatgaaat ttgaccaaata 180
ggaagaatca tgtagttctt gacctcaata ctatagtaac ttttaggcgt ggggtgtagaa 240
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tatttttgac aaaggaaatt aagaatgtaa aagtcagaac agtcttgagg taaaaagtgt 480
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485

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tttgataatt ttttataaaa aaaaaaaaaa ag 1412

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&lt;210&gt; 569

&lt;211&gt; 1125

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 569

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gacaacgggg gcgaagcgca ggcgcaagga gcaagcgag attgtggcg gctgtgtcag 60
ctgacccaag gggccttcga ggtgccttag gccgcttgcc ttgctctcag aatcgctgcc 120
gccatggcta gtcagtctca ggggattcag cagctgctgc aggccgagaa gcgggcagcc 180
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&lt;210&gt; 570

&lt;211&gt; 1916

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1899)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 570

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ggggagggtc agttggaggc aggcgctcgc tgaggcaaaa ggaggcgctc ggcccgcggc 60
ctgacaggga cttagcccgc agagatcgac cccgcgcgcg tgacccaca cccaccact 120
catccatcta tccactccct gcgcgcctc ctcccaccct gagcagagcc gccgaggatg 180
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aggcacattg ttccagggcc tctgtgtgc tcctgatgcc cctcaccac tgtcgaagat 300
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486

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gaagctcact gtgacccagg acctccctgt gaatgatgga aaacctcaca tcgtccactt 420
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gattgggtga gggggacggg gatgtcaggg aggcaagtgt gttgtgttac tgtgtcaata 1860
aactgattta agttraaaa aaaaaaaaaa aaaaactcng rgggggcgct atagtgt 1916

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&lt;210&gt; 571

&lt;211&gt; 1253

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1205)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1207)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1212)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 571

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cgcgtccgcc cacgcgtccg cccacgcgtc cgcccacgcg tccgctcagg aggcgggagg 60
aggaccggga atgaagacga aggcgtcac cattaaatcg tacggctcgc actgccccct 120
gcccgcagtc cagcgtcttc aaccgtttct gcggcagctc tggaggccgc ggctttggct 180

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ttcctgttta tcacttccgg gttcatcatt ttggcatttc ggtgatcggg ttggaactat 360
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&lt;210&gt; 572

&lt;211&gt; 2013

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 572

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<213> Homo sapiens

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<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<400> 573

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<213> Homo sapiens

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<221> misc feature

<222> (2367)

<223> n equals a,t,g, or c

<400> 574

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490

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&lt;210&gt; 575

&lt;211&gt; 1372

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1338)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1370)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 575

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<211> 2020

<212> DNA

<213> Homo sapiens

<400> 576

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<212> DNA

<213> Homo sapiens

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3161

<210> 578

<211> 2046

<212> DNA

<213> Homo sapiens

<400> 578

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gcccaa                                           2046

```

<210> 579

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<400> 579

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agaagggaag acgcccagaga cgctgcttcc ccagaagtgc tggggncagg gagggccagg 240
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tg                                                    302
```

<210> 580

<211> 3067

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1808)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2945)

<223> n equals a,t,g, or c

<400> 580

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tgcgctcgct ctgcagagcc tcaggctcgc ggccggcctg ggccggcggc gccctgacag 180
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accgtgacca gactgatgac caggtcacca ttgactctgc actggccacc cagaagtaca 420
gtgtggctgt caagtgtgcc accatcaccg ctgatgaggc ccgtgtggaa gagttcaagc 480
tgaagaagat gtggaaaagt cccaatggaa ctatccggaa catcctgggg gggactgtct 540
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```

tccgggagcc catcatctgc aaaaacatcc cagcctagt ccctggctgg accaagccca 600
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gggcccggcac tttcaaaatg gtcttcaccc caaaagatgg cagtgggtgtc aaggagtggtg 720
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cagaagcggg gatgcraggg gaagtagagg gaccgccagc ctgtcaaggc ttaactggct 3060
gttgctg 3067

```

&lt;210&gt; 581

&lt;211&gt; 1574

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

<222> (457)

<223> n equals a,t,g, or c

<400> 581

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tcattcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaagggc ggcc 1574
```

<210> 582

<211> 960

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (924)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (937)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (939)

<223> n equals a,t,g, or c

&lt;400&gt; 582

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ggggcccggt accmattggc cttnggkggg tggtttnanw ttaatggcck ggtttaaaag 960
```

&lt;210&gt; 583

&lt;211&gt; 541

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 583

```
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cctccgcgct cgtcaggatc ccgctgcaca agttcacgtc catccgccg accatgtcgg 240
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cgggctycty caacctgtgg gtcccctcca tccactgcaa actgctggac atcgcttgct 480
ggatycacca caagtamaac agcgacaagt ccagcaacta cgtgaagaat ggtaactcgt 540
t 541
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&lt;210&gt; 584

&lt;211&gt; 2968

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (454)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1437)

&lt;223&gt; n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2961)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2964)  
<223> n equals a,t,g, or c

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ctacccccctg tctccccac aaaggacacc ggctgggatt cggtatcgaa tcgcagttat 180  
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aaaaacaaaa aaaaaaaaaa nagnagag
2968

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<210> 585

<211> 2608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 585

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&lt;210&gt; 586

&lt;211&gt; 1893

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1184)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1865)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1883)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1887)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1893)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 586

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cggagcccg cgttagaggc tgcaatcgca gccgggagcc cgcagcccg cccccagacc 180
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